

M52BGIA1

1 UNITED STATES DISTRICT COURT  
2 SOUTHERN DISTRICT OF NEW YORK

3 UNITED STATES OF AMERICA,

4 v.

20 Cr. 160 (MKV)

5 LISA GIANNELLI,

6 Defendant.

Trial

7 -----x

New York, N.Y.

8 May 2, 2022

9:45 a.m.

9 Before:

10 HON. MARY KAY VYSKOCIL,

District Judge

11 APPEARANCES

12 DAMIAN WILLIAMS

13 United States Attorney for the  
14 Southern District of New York

15 BY: SARAH MORTAZAVI

BENJAMIN A. GIANFORTI

Assistant United States Attorneys

16 FASULO, BRAVERMAN & DiMAGGIO, LLP

Attorneys for Defendant Giannelli

17 BY: LOUIS V. FASULO

-and-

18 ALEX S. HUOT

19 Also Present: Karline Jung, USDA Paralegal

20 Mattison Stewart, Defense Intern

M52BGIA1

(Trial resumed; jury not present)

THE COURT: Good morning. Please be seated, everyone. Good morning. I hope everyone had a nice weekend. Do we have anything we need to talk about?

MR. FASULO: Just one thing, Judge. Because of the volume of the materials, the Court is more than aware of the terabytes and petabytes, Mattison is one of our interns. She's been helping to help organize. I wanted the Court's permission for her to sit at counsel table.

THE COURT: Sure. Good morning. Thank you. That's fine Mr. Fasulo.

And nothing from you, Ms. Mortazavi?

MS. MORTAZAVI: No, your Honor.

THE COURT: All right. Our jurors are all here and ready to go and Ms. Dempsey will go and bring our jurors out. And you are going to be calling a witness right away.

MS. MORTAZAVI: Yes, your Honor. That will be Dr. Bowman.

(Continued on next page)

M52BGIA1

Bowman- Direct

1 (Jury present)

2 THE COURT: Good morning, ladies and gentlemen. I  
3 hope you all had a nice weekend. We certainly had beautiful  
4 weather, not like this gloomy day today. I think we are ready  
5 to proceed, so Ms. Mortazavi or Mr. Gianforti.

6 MS. MORTAZAVI: Yes, your Honor. The government calls  
7 Dr. Jean Bowman.

8 JEAN BOWMAN,  
9 called as a witness by the government,  
10 having been duly sworn, testified as follows:

11 THE DEPUTY CLERK: State and spell your name for the  
12 record.

13 THE WITNESS: My name is Jean Bowman, and it's spelled  
14 J-E-A-N, last name B-O-W-M-A-N.

15 THE COURT: Thank you.

16 Ms. Mortazavi.

17 DIRECT EXAMINATION

18 BY MS. MORTAZAVI:

19 Q. Good morning, Dr. Bowman.

20 A. Good morning.

21 Q. Could you tell us where you are employed?

22 A. I'm employed at the FDA Center for Veteran Medicine.

23 Q. Dr. Bowman, I ask you to just adjust the mic.

24 Could you just repeat the answer that you gave to make  
25 sure everyone heard you?

M52BGIA1

Bowman- Direct

1 A. Yes. I'm employed at the FDA Center for Veterinarian  
2 Medicine.

3 Q. Is that sometimes referred to as FDACVM?

4 A. Yes, it is.

5 Q. What's your current title there?

6 A. I'm a veterinarian medical officer.

7 Q. What sort of work do you currently do?

8 A. I work in, until a few weeks ago, it was called the  
9 division of the surveillance and the office of surveillance and  
10 compliance. We're now the division of drug compliance, and my  
11 work there involves providing scientific support to enforcement  
12 actions that are taken by the center.

13 Q. What are enforcement actions?

14 A. Enforcement actions can be things like warning letters,  
15 advisory letters, seizures and injunctions generally related to  
16 poorly manufactured or unapproved animal drugs.

17 Q. And what exactly is being enforced in an enforcement  
18 action?

19 A. We are enforcing the Federal Food Drug and Cosmetic Act and  
20 implementing regulations.

21 Q. Does the FDACVM where you work focus on animal drugs?

22 A. Yes, they do.

23 Q. Are animal drugs regulated by the FDA?

24 A. Yes.

25 Q. Are there different regulations applicable to animal drugs

M52BGIA1

Bowman- Direct

1 versus drugs intended for human use?

2 A. Yes, some are the same. Most are different.

3 Q. For approximately how long have you worked at the FDACVM?

4 A. I worked there for over 32 years.

5 Q. Generally speaking what is the FDA's mission as it relates  
6 to animal drugs?

7 A. Our mission is to make sure that there are safe and  
8 effective animal drugs available for use for the treatment of  
9 animals and to prevent drug residue in human food.

10 Q. Are you a licensed veterinarian?

11 A. I am.

12 Q. What state are you licensed in?

13 A. I'm licensed in Maryland.

14 Q. Could you tell us your educational background?

15 A. Yes. I have a bachelor of science in animal science from  
16 the University of Maryland College Park and I have a doctorate  
17 in veterinary medicine from Virginia Tech, Virginia Maryland  
18 College of Veterinarian Medicine.

19 Q. Were you employed between college and veterinary school?

20 A. Yes, I was.

21 Q. Whereabouts?

22 A. I was employed by the University of Maryland Horse Research  
23 Center.

24 Q. What sort of work did you do there?

25 A. I was responsible for all types of general care of the

M52BGIA1

Bowman- Direct

1 horses as well as helping the professors that were doing  
2 research there; collecting samples, maintaining records,  
3 providing follow-up to any injuries or treatments that the  
4 veterinarians prescribed for the horses.

5 Q. Were you supervised by anyone?

6 A. Yes.

7 Q. Who?

8 A. Norman Luban.

9 Q. What position did he hold?

10 A. He was the farm manager.

11 Q. What year did you start veterinary school?

12 A. 1985.

13 Q. And what year did you graduate?

14 A. 1989.

15 Q. What did you do for work after you graduated?

16 A. I started working right away with another practitioner in  
17 the equine practice. The type of practice you tend to call a  
18 farm call practice. We go to people's facilities and farms and  
19 treat the animals on site, and then I applied and also accepted  
20 a position with the Center for Veterinary Medicine.

21 Q. In that farm call practice that you just described, can you  
22 explain some of the work that you engaged in?

23 A. So we were responsible for routine heart health as far as  
24 deworming, giving vaccination, treating lamenesses, diagnosing  
25 problems, doing physical exams and history of patient that

M52BGIA1

Bowman- Direct

1 presented within the problem and then providing a diagnosis,  
2 sometimes ordering diagnostic test to get the vac diagnosis and  
3 then prescribing treatment.

4 Q. Have you heard of the term "medical record"?

5 A. Yes.

6 Q. What is that term?

7 A. It reflects the records that a veterinarian is obligated to  
8 keep on each patient regarding that patient's history, any  
9 problems that its had, any visits that it required, any  
10 treatments that were recommended or given.

11 Q. And while engaged in that farm-call practice, did you  
12 maintain medical records?

13 A. Yes, we did.

14 Q. You mentioned that you had joined the FDACVM at around the  
15 same time you joined the farm-call practice?

16 A. That is correct.

17 Q. Did you join in 1989?

18 A. Yes.

19 Q. When you first joined the FDACVM, what position did you  
20 hold?

21 A. I was a veterinary medical officer in the office of new  
22 animal drug approval.

23 Q. What sorts of duties did you have in that role?

24 A. In that role we worked with drug companies to develop a  
25 plan for getting the drugs they wanted to get approved,

M52BGIA1

Bowman- Direct

1 approved. They have to collect data for safety and  
2 effectiveness, as well as complete technical sections in  
3 several other areas, such as manufacturing and labeling.

4 So we worked directly with the drug companies and then  
5 reviewed the data that was generated to ensure that those  
6 products met our standard of safety and effectiveness before  
7 they were approved.

8 Q. Was there a point at which you transferred to a separate  
9 office within the FDACVM?

10 A. Yes.

11 Q. Approximately when was that?

12 A. 2008.

13 Q. What division was that?

14 A. That was the division of compliance in the office of  
15 surveillance and compliance.

16 Q. Is that the office where you currently work?

17 A. Yes.

18 Q. Focusing on your current position, is there a particular  
19 focus to your duties and responsibilities within the division  
20 of enforcement?

21 A. So my duties are involving providing scientific support for  
22 enforcement action. I also help collect evidence and organize  
23 evidence for cases that we're initiating in-house, and at times  
24 we also make referrals to the criminal side of FDA if we can't  
25 gain compliance with a firm.



M52BGIA1

Bowman- Direct

1 Q. And apart from the professional experience that you've just  
2 described, have you any experience with horses beyond the  
3 farm-call practice you mentioned and your work with the FDACVM?

4 A. Yes, I've been a horse owner since I was 11, and to this  
5 day I currently have three horses that are pleasure horses,  
6 life shown and trail ridden and went through 4H on my horses,  
7 always had a deep activity with the horses in all different  
8 ways.

9 Q. Do you race horses?

10 A. No.

11 Q. Have you ever entered a horse in a horse race?

12 A. No.

13 Q. Have you ever attended any conferences having to do with  
14 veterinarian client/patient relationship?

15 A. Yes.

16 Q. Could you describe that?

17 A. There was -- because of COVID-19 and kind of a rapidly  
18 changing world of the use of video appointments for people,  
19 there was a lecture presented at the AAEP conference, the  
20 American Association of Equine Practitioners in December of  
21 2021 on that topic regarding equine practitioners.

22 Q. Dr. Bowman, have you testified on behalf of the FDACVM  
23 before?

24 A. Yes.

25 Q. Have you ever been qualified as an expert witness before?

M52BGIA1

Bowman- Direct

1 A. Yes.

2 MS. MORTAZAVI: Your Honor, at this time the  
3 government moves to qualify Dr. Bowman as an expert regarding  
4 FDA new animal drug approval and enforcement processes and the  
5 standards for veterinarian practice.

6 THE COURT: Mr. Fasulo.

7 MR. FASULO: No objection.

8 THE COURT: She will be deemed qualified in those  
9 areas.

10 BY MS. MORTAZAVI:

11 Q. Dr. Bowman, you mentioned that in a prior position you held  
12 as a veterinarian officer, you were apart of the FDACVM new  
13 animal drug approval process; is that right?

14 A. Yes.

15 Q. What does the FDA consider an animal drug?

16 A. An animal drug is substance or they call it an article in  
17 the act, and article that is intended to treat, diagnose, cure,  
18 mitigate the symptoms of any abnormal condition in the animal,  
19 apart of any of those defined substances or effective structure  
20 and function of the animal.

21 Q. Can those drugs be either prescription or over-the-counter  
22 just like human drugs?

23 A. Yes.

24 Q. Can you give us an example of those prescription drugs?

25 A. Phenylbutazone.

M52BGIA1

Bowman- Direct

1 Q. Is that sometimes called Bute?

2 A. Yes.

3 Q. Have you heard of Banamine?

4 A. Yes.

5 Q. Is that a prescription drug?

6 A. Yes, it is.

7 Q. Have you heard of pentosan?

8 A. Yes.

9 Q. Is that a prescription animal drug?

10 A. That is not an approved animal drug. It is an approved  
11 human drug in an oral form for irritable bladder symptoms, but  
12 it's not approved in the United States for use in horses.

13 Q. As part of the FDA's drug approval process, does a drug  
14 have to be approved for a particular species?

15 A. Yes. However, under 21 CFR 530, there are conditions for  
16 which a drug may be used for off label, an approved drug.

17 Q. Can you give us an example of an over-the-counter animal  
18 drug?

19 A. So an over-the-counter animal drug would be something like  
20 ivermectin paste dewormer for horses.

21 Q. How is ivermectin administered?

22 A. That particular ivermectin is an oral product.

23 Q. How is Banamine administered.

24 A. Banamine is administered by injection.

25 Q. What about phenylbutazone?

M52BGIA1

Bowman- Direct

1 A. It can be administered by injection or orally. It comes in  
2 tablets and in an injectable formulation.

3 Q. Have you heard the term API?

4 A. Yes.

5 Q. What does that mean?

6 A. An API is the active pharmaceutical ingredient of a drug.

7 Q. Can you give us some examples of APIs?

8 A. I already described phenylbutazone. Phenylbutazone is the  
9 active pharmaceutical ingredient in a couple of approved  
10 products. Banamine is the active pharmaceutical ingredient in  
11 flunixin meglumine.

12 Q. What about toltrazuril?

13 A. Toltrazuril is not approved in the United States for any  
14 animal use or human use and it is an active pharmaceutical  
15 ingredient.

16 Q. What about Diclazuril?

17 A. Diclazuril is an active pharmaceutical ingredient, and it  
18 is an active ingredient in at least I think two approved animal  
19 drugs.

20 Q. What about erythropoietin?

21 A. Erythropoietin is an endogenous, which means your body  
22 produces it. It's a hormone that increases blood cell  
23 formation.

24 There is medical formulation of that, that's not  
25 exactly the same, it's called Epogen. It's approved for use in

M52BGIA1

Bowman- Direct

1 humans, but not animals.

2 Q. What does the FDACVM look to in determining whether a  
3 substance is a drug?

4 A. We generally look to the intended use. If a drug is listed  
5 in the official pharmacopoeia of the United States, the USPUS  
6 pharmacopoeia, that is also a way that we can determine that a  
7 product is a drug.

8 But if the intended use is something that obviously  
9 meets that definition of an article that's intended to treat,  
10 cure, prevent, diagnose a disease or abnormal condition, or it  
11 has effective structure of function and it's not a food, then  
12 it qualifies as a drug.

13 Q. What sorts of records does the FDACVM look to determine the  
14 intended use for a drug?

15 A. We tend to start with the label and the labeling, so the  
16 labeling can be printed labeling that is not on the package of  
17 the drug, but is handed to you perhaps when you purchase the  
18 drug, or it can be the website where you can purchase a drug,  
19 all the information on the website constitutes labeling.

20 Q. What about brochures or promotional material?

21 A. That can also be labeling.

22 Q. What about oral statements by the manufacturer's  
23 representative?

24 A. That can definitely be evidence of intended use.

25 Q. What about the name of the product itself?

M52BGIA1

Bowman- Direct

1 A. At times, yes.

2 Q. To what extent does the chemical content of the substance  
3 matter in determining whether or not it is a drug?

4 A. It depends. If that's the best evidence we have that it is  
5 intended to be used as a drug, it's the formulation in which  
6 it's presented and the active ingredient, then we can use that;  
7 however, we prefer to use evidence of intended use.

8 Q. So can the FDACVM conclude that something is a drug without  
9 conducting any drug testing?

10 A. Yes.

11 Q. We discussed API a moment ago. What if a product contains  
12 no API, but there are claims made that it would treat a  
13 particular disease, would that still be considered a drug?

14 A. Yes.

15 Q. What is considered a new animal drug?

16 A. A new animal drug is an animal drug that is not generally  
17 recognized as safe and effective by experts in the field, so  
18 most drugs actually qualify as new animal drugs.

19 Q. Can you walk us through the process for obtaining FDA  
20 approval for a new animal drug?

21 A. So there's seven technical sections that firms have to  
22 complete in order to get their drug approved, that includes an  
23 animal safety section that would be completed in each species  
24 for each indication that a firm was interested in having on  
25 their label.

M52BGIA1

Bowman- Direct

1           Then there's an animal safety section or they're  
2 required to do studies to show that the drug is safe at the  
3 dose administered, and kind of what the range of safety is so  
4 that we can develop a label that will allow the user to know  
5 whether an overdose is deadly or whether there's going to be an  
6 adverse event if you guess the animal weight wrong or treat the  
7 animal improperly. All that information has to go on the label  
8 eventually.

9           Then there's the manufacturing control section which  
10 is all about the manufacturing of the drug where the firm has  
11 to lay out step by step the entire manufacturing process,  
12 identify the facilities, where it's going to be manufactured,  
13 however many facilities that is -- and quite often it's more  
14 than one -- they have to identify and provide testing on all  
15 the ingredients that are going to go into that product. And  
16 those become the sources, the approved sources of that drug.  
17 If that needs to change, then they have to change that in a  
18 supplement application.

19           Then there's the labeling section. There's the  
20 environmental section. And if it's a food animal drug, there's  
21 a section on human food residues, and finally there's an all  
22 other information section.

23 Q. How long can the process take for getting a drug approved?

24 A. It can take multiple years. And rough guess, three to ten.

25 Q. What are the terms "safe" and "effective" mean in the

M52BGIA1

Bowman- Direct

1 context of a new animal drug?

2 A. So A new animal drug is safe and effective when it's used  
3 according to the labeling. It's considered -- so it's not  
4 generally recognized as safe and effective.

5 It's only safe and effective within the confines of  
6 that approved application. So as long as it's being  
7 manufactured in a way that was described at the facilities that  
8 were identified and those facilities have all been inspected,  
9 and then that drug is used in accordance with the label  
10 directions, then it's expected to be safe and effective for  
11 that intended use.

12 Q. Can you give a hypothetical example for drugs that would be  
13 considered ineffective given its intended use?

14 A. So if you gave the intended use is to treat an eye  
15 infection, but you gave a dewormer, then we would not expect  
16 that to be -- is that what you meant?

17 Q. Yes.

18 A. Okay. Then you would not expect to get any effectiveness on  
19 that because you're not using the right product.

20 Q. Can you now give us a hypothetical example of a drug that  
21 would be considered unsafe given its intended use?

22 A. An approved drug?

23 Q. Any drug.

24 A. The best example I can think of off the top of my head is  
25 the current use in humans of ivermectin as a treatment for



M52BGIA1

Bowman- Direct

1 Covid. It's an approved drug, but that's not its use and it  
2 would be unsafe for that purpose because it doesn't work.

3 Q. What is the FDACVM's role in the process of reviewing data  
4 regarding safety and efficacy as part of the new animal drug  
5 approval process?

6 A. As a veterinarian medical officer and a primary reviewer in  
7 that office, I was responsible for reviewing the data that was  
8 generated. We work in combination with statisticians and other  
9 specialists if needed.

10 But generally, I would review all that safety and  
11 effectiveness data and determine whether it met the standards  
12 that were required to be substantial.

13 Q. And the new animal drug approval process you described,  
14 does that apply for both prescription and over-the-counter  
15 drugs?

16 A. Yes, it does.

17 Q. And if I refer to over-the-counter drugs as OTC drugs, will  
18 you understand what I'm referring to?

19 A. Yes.

20 Q. Are there any differences in the approval process between  
21 prescription drugs and OTC drugs for animals?

22 A. No, there isn't.

23 Q. What about as part of the labeling process?

24 A. So the labeling process is different between prescription  
25 and non-prescription, but sometimes that distinction isn't made

M52BGIA1

Bowman- Direct

1 for a drug until it's late into its approval process.

2 After we've evaluated the safety and effectiveness  
3 data and we've determined whether it would be appropriate for  
4 labeling it as an over-the-counter or a prescription drug, so  
5 that comes later.

6 And the labeling for a prescription drug is required  
7 to bear a different -- well, let me start with those, the  
8 over-the-counter drugs.

9 The over-the-counter drugs are required to have  
10 adequate directions for use by the layperson. As long as they  
11 can write adequate directions to be used by a layperson, the  
12 drug can be approved as an OTC drug.

13 Prescription animal drugs are required to have -- are  
14 not appropriate for adequate directions for use by the layman  
15 for multiple reasons why that is, and their labeling is  
16 required to bear a special statement that say, "caution." This  
17 drug is -- federal law restricts this drug to use by or on the  
18 order of a license veterinarian.

19 And then their standard for the rest of that label, it  
20 has to provide substantial -- that might not be the exact word  
21 that they use, but it has to provide sufficient information for  
22 the safe use of that product as labeled.

23 Q. What does a company have to show in order to establish that  
24 its drug is safe and effective?

25 A. They have to do multiple efficacy studies to demonstrate

M52BGIA1

Bowman- Direct

1 safety under a variety of conditions of use for that indication  
2 and that species, often regionally.

3 They do studies in different regions of the country  
4 underneath different clinical investigators, and then they have  
5 to show safety in a number of safety studies from a 10  
6 ex-overdose study, to a 1, 3 and 5 ex-overdose study, and then  
7 the additional data is collected at the use level in the  
8 efficacy study to substantiate safety.

9 Q. And, Dr. Bowman, you mentioned as one of the technical  
10 requirements of process, a firm will have to show their  
11 manufacturing process; is that right?

12 A. Yes.

13 Q. Why do they have to establish how they're going to be  
14 manufacturing a particular drug?

15 A. It can make the difference between the drug being effective  
16 and safe and not. Something as simple as with tablets, how  
17 hard those tablets are pressed can make a difference in the  
18 absorption of the drug from the stomach or the intestines; and  
19 therefore change the blood levels making the drug more or less  
20 effective, or more less toxic, so it becomes imperative that  
21 they follow all of those manufacturing processes that were  
22 approved.

23 Q. Have you heard the term CGMP?

24 A. Yes.

25 Q. What does that stand for?

M52BGIA1

Bowman- Direct

1 A. That's the current good manufacturing practices.

2 Q. And what issues, if any, could arrive if a drug is not  
3 manufactured in conformance with current good manufacturing  
4 practices, besides what you just mentioned about pills being  
5 pressed?

6 A. The drug could wind up --for a sterile drug, it might not  
7 be sterile if it's not manufactured properly, which could lead  
8 to very serious complications in the patients that it's given.  
9 It could wind of having a different concentration, not being  
10 safe on any number of levels.

11 Q. Assuming a manufacturer did not comply with CGMP, how would  
12 that impact the approval process for a new drug?

13 A. That drug would not get approved.

14 Q. And what measures, if any, does the FDACVM take to ensure  
15 that firms are complying with CGMP?

16 A. They're regularly inspected both pre-and post-approval for  
17 the lifetime of that drug. They have routine inspections,  
18 often annually or semiannually to ensure that they're following  
19 their CMC section, just manufacturing, controls and something.

20 Q. Does the FDA track all manufacturers?

21 A. Yes.

22 Q. Can you explain that in a little more detail?

23 A. All legal manufacturers are required under the act to  
24 establishment register with FDA.

25 And once they're establishment registered that all the

M52BGIA1

Bowman- Direct

1 drugs that are being manufactured through their site are listed  
2 with FDA, and the inspectors know what to look for when they go  
3 to those facilities to inspect.

4 Q. And you mentioned as part of the technical process there's  
5 also a section on labeling?

6 A. Yes.

7 Q. Starting with OTC drug, can you just walk us through the  
8 types of information that would be included on the label for an  
9 OTC drug?

10 A. So an OTC drug will have a list of the active ingredients,  
11 and generally the major inactive ingredients that may or may  
12 not be required depending on the dosage form. Most firms will  
13 put that on there anyway, and it will include the adequate  
14 directions for use.

15 So there will be a section that explains to you when  
16 you should use this drug, for what animals you should use it  
17 for, species, what age, what problems, and then there'll be any  
18 warning statements. Like, don't use on old animals or  
19 something like that just to prevent adverse events that are  
20 typical with that drug in older animals.

21 Q. And what type of information would be present on the label  
22 for a prescription drug?

23 A. So prescription drug have multiple sections that are  
24 required that includes that statement that we talked about, the  
25 federal law restricts this drug to use by or on the order of a

M52BGIA1

Bowman- Direct

1 license veterinarian. It also includes an indication section  
2 that explains what the drug is used for. It will often have a  
3 section describing how the drug works.

4 There's actually a lot of information on a  
5 prescription drug label that isn't required an over-the-counter  
6 drug label.

7 So it will have that indication section, direction for  
8 use, how the drug works. It can vary how in depth that goes,  
9 but it's generally on there.

10 They'll be a section of warnings and contraindications  
11 so that the veterinarian knows which patients shouldn't  
12 prescribe that drug for, and then there will be an identifier  
13 of the manufacturer, the distributor with contact information  
14 and a description of any adverse events that are commonly seen  
15 with that drug so people know how to identify an adverse event  
16 and report it. Those get reported to the manufacturer or the  
17 FDA directly.

18 I'm sure there's other things that I'm forgetting. It  
19 also would have the statement of ingredients, including --  
20 depending on the dosage form.

21 Injectable dosage forms are required to have a  
22 complete list of all the ingredients, including the  
23 concentration of each ingredient.

24 The oral formulation have to have the active  
25 ingredient, and then if there's any major inactive ingredient

M52BGIA1

Bowman- Direct

1 that might cause an allergic reaction or something. Those  
2 would be listed.

3 Q. And would the information that you described that would  
4 appear on the label, would that be included with every bottle  
5 of a particular drug?

6 A. Yes.

7 Q. Can oral instructions replace that written label?

8 A. No.

9 Q. What, if any, records does the FDACVM maintain of approved  
10 animal drugs?

11 A. FDACVM maintains an internal database that's the Stars  
12 database where we track all the investigational and approved  
13 drugs, and that includes every supplement to any existing  
14 application and how that was handled, what happened with it.  
15 Sometimes drugs are sold at bought and sold commodities, so it  
16 might have a new firm that's in charge of that drug.

17 Q. And, Dr. Bowman, once a drug is approved by the FDA, can  
18 any company manufacture that drug?

19 A. No.

20 Q. Why not?

21 A. That drug is sponsored by a specific drug company and that  
22 drug company is the only one that can make it in accordance and  
23 has access to all the proprietary information that's in their  
24 application that explains how the drug has to be manufactured  
25 in order for it to be safe and effective.

M52BGIA1

Bowman- Direct

1 Q. Can a manufacturer of an approved animal drug change the  
2 active ingredients without first going through the FDA?

3 A. No.

4 Q. How about the amount of a particular active ingredient in a  
5 drug, can a manufacturer change that without going through the  
6 FDA?

7 A. No.

8 Q. And does the FDACVM oversight end after a new animal drug  
9 is approved?

10 A. No. After a new animal drugs are approved, the firm  
11 continues to submit new annual reports that describe how much  
12 of the drug was manufactured, how much was sold into  
13 distribution.

14 They provide information on all the adverse events.  
15 And they do that more often than once a year if the adverse  
16 events qualify as significant adverse events, but definitely  
17 once a year even for the most minor reported adverse event, and  
18 they get regular inspections post-approval.

19 Q. What tools does the FDA have to enforce compliance with FDA  
20 regulations?

21 A. We have the -- generally with an approved drug, we will  
22 send a warning letter if something's wrong, and those firms  
23 have a lot of interest in coming into compliance. Often that's  
24 all that's required, but we also have the ability to do  
25 seizures or injunction.



M52BGIA1

Bowman- Direct

1           We can enjoin a firm not to manufacture certain types  
2 of drugs anymore if they've proven that they can't manufacture  
3 them properly, or we can have a drug withdrawn from the market.

4 Q. You also mention that there may be criminal referrals; is  
5 that right?

6 A. Yes.

7 Q. What sort of employees work in that division of the FDACVM?

8 A. So we have an office, an FDA office of criminal  
9 investigations, and that's staffed by agents, similar to FBI  
10 agents, but they're tasked with following up on criminal  
11 referrals from all of FDA for different types of drugs.

12 Q. You also testified previously about adverse events, can you  
13 just explain what that means?

14 A. So adverse events are unexpected or unpleasant things that  
15 happen to you or your animal after a drug is administered.  
16 Sometimes they're not actually related to the drug.

17           But if the labeling is complete, it should give you an  
18 idea of what kinds of adverse events you might expect to find  
19 if you overdose the drug, or maybe the dog or the animal is  
20 dehydrated, and therefore it wind up with a higher blood level  
21 than you would have expected from the approved dose and  
22 therefore experience some adverse reaction.

23 Q. Why are those reported to the FDA?

24 A. That's a monitoring tool that we can use to ensure that the  
25 products are continuing to be safe and effective under

M52BGIA1

Bowman- Direct

1 conditions of actual use, and that they're being manufactured  
2 properly.

3 Q. I'd like to shift to talk a little bit more about  
4 prescription drugs and over-the-counter drugs.

5 Can you just explain what the difference is and how  
6 someone would acquire a prescription drug versus an  
7 over-the-counter drug?

8 A. So an over-the-counter drug for animals would be purchased  
9 from a feed store or a pet store or maybe a tack store for  
10 horses, and it's just like when you go into the pharmacy and  
11 you buy Ibuprofen off the shelf. You just pick it up off the  
12 shelf. You walk to the counter and you can purchase it.

13 If you are purchasing a prescription animal drug, you  
14 would need a prescription or it would be dispensed directly to  
15 you. When your veterinarian treated your animal, he would  
16 dispense -- he or she would dispense that prescription animal  
17 drug at the time that they determined that that was the  
18 appropriate treatment for your animal.

19 Q. How does the FDA determine whether a drug should be sold as  
20 over-the-counter drug or as a prescription drug?

21 A. It goes back to that adequate directions for use. If  
22 adequate directions for use for the layperson can be written,  
23 the drug will be approved as an over-the-counter drug.

24 Certain things are considered to be red flags to  
25 adequate -- to the use by the laymen. That would include

M52BGIA1

Bowman- Direct

1 things like IV administration, if the drug had to be given  
2 intravenously right into a vein, that's going to require that  
3 the drug be prescription animal drug.

4 And there are also drugs that have to be given by  
5 nasogastric tube that will require that the drug be a  
6 prescription animal drug.

7 If a diagnosis is required prior to determining that  
8 that is the drug of choice for that patient, then that would be  
9 a prescription drug because a veterinarian has to make that  
10 diagnosis and prescribe that drug.

11 Q. Dr. Bowman, what is a nasogastric tube?

12 A. A nasogastric tube is a tube that's inserted generally in  
13 horses, but could also be in dogs, through the nose and down  
14 into the stomach.

15 And if you do it improperly, you can wind up with it  
16 in the lungs. And then if you administer medication into the  
17 lung that was intended to the stomach, you can actually kill an  
18 animal.

19 Q. You also mentioned the term "layperson" or "laymen;" is  
20 that what you use to refer to someone who is not a  
21 veterinarian?

22 A. Yes.

23 Q. And you mentioned the term "IV" drug?

24 A. Yes.

25 Q. Does that stand for intravenous drug?

M52BGIA1

Bowman- Direct

1 A. Yes, it does.

2 Q. And are those typically prescription?

3 A. Yes.

4 Q. Are you familiar with the term "IM" drug?

5 A. Yes.

6 Q. What does that mean?

7 A. That's an intramuscular injection.

8 Q. Are those drugs, IM drugs, typically over-the-counter or  
9 prescription?

10 A. They can be either depending on the species that they're  
11 for and the indications for use.

12 Q. And what if a drug description says it should be  
13 administered IV or IM?

14 A. Then it would have a prescription drug label.

15 Q. Are there oral animal drugs that require prescription?

16 A. Yes.

17 Q. Can you give me an example?

18 A. Phenylbutazone.

19 Q. That's the Bute that we talked about earlier?

20 A. Yes.

21 Q. So the method of administration is one factor, but it's not  
22 the only factor; is that fair to say?

23 A. Yes.

24 Q. Are you familiar with the concept of nutritional  
25 supplements for humans?

M52BGIA1

Bowman- Direct

1 A. Yes.

2 Q. Does the FDACVM recognize that category for animals?

3 A. No.

4 Q. Can you explain?

5 A. When the law was written, it's called the DHSA, the Dietary  
6 Health Supplement Act, animal drugs or animal products were  
7 left out.

8 Our products are either foods or drugs or medical  
9 devices, but we don't have a category for dietary supplements.

10 Q. So it would be either considered a food or a drug?

11 A. Yes.

12 Q. Have you heard the term "homeopathic"?

13 A. Yes.

14 Q. Does the FDACVM recognize a separate category of drugs  
15 known as homeopathic drugs?

16 A. No.

17 Q. Are there any homeopathic drugs approved by the FDACVM?

18 A. They wouldn't say homeopathic on the label. They would  
19 just be drugs.

20 Q. I'd like to shift and ask you a little bit your experiences  
21 in veterinarian practice. I asked you earlier about the term  
22 "VCPR." Are you familiar with that term?

23 A. Yes.

24 Q. What does it stand for?

25 A. It stands for the veterinarian-client-patient relationship.

M52BGIA1

Bowman- Direct

1 Q. And in that relationship who's the client?

2 A. The client is usually the animal's owner or a person  
3 designated by the animal's owner to act in its behalf.

4 Q. Who is the patient?

5 A. The patient is the animal.

6 Q. What's the concept of establishing a VCPR?

7 A. In order to provide good medical care, it's important that  
8 the veterinarian establish a relationship, examine the patient,  
9 meet the owner, come to an agreement that, you know, if I'm  
10 going to care for this patient, sort of implicit that the owner  
11 is going to provide the recommended care and the veterinarian  
12 will provide follow-up.

13 Q. And how would a veterinarian establish a valid VCPR with a  
14 new animal patient?

15 MR. FASULO: Objection.

16 THE COURT: Basis?

17 MR. FASULO: Vague.

18 THE COURT: Overruled.

19 A. That would generally require that the veterinarian see the  
20 patient in person, examine that patient, collect a history of  
21 the patient's past problems as well as any current ones,  
22 perhaps run some diagnostic tests if the patient's exhibiting  
23 or having a current medical problem, and all that would be  
24 incorporated into the medical record.

25 And then if the patient is experiencing a current

M52BGIA1

Bowman- Direct

1 medical problem, the diagnosis would be made and treatments  
2 prescribed.

3 Q. And what steps typically occur before a veterinarian  
4 legitimately issues a prescription for a drug?

5 A. That process I just described would take place in advance  
6 of that.

7 Q. So is it fair to say the veterinarian has to know the  
8 animal?

9 A. Yes.

10 Q. Is that prescription process you described the same for  
11 both new and existing patients?

12 A. It depends. At times with an existing patient that has a  
13 chronic medical problem, it might be enough if the  
14 veterinarian's already established that  
15 veterinarian-client-patient relationship to have a discussion  
16 with the owner about what's going on, and it may be the type of  
17 problem that a veterinarian can expect is a recurrence of a  
18 past problem, therefore may need the same treatment.

19 Q. Why do veterinarians conduct a physical exam?

20 A. In order to diagnose most problems and to establish the  
21 underlying health of the animal.

22 But in order to diagnose post-problems, you have to do  
23 a physical exam, because there could be a lot of reasons; for  
24 example, why a horse limps on its left foot.

25 It's limping on its left front leg, but you don't know

M52BGIA1

Bowman- Direct

1 why until you've done that physical examination and made a  
2 diagnosis.

3 Q. I'd like to ask you some hypothetical questions regarding  
4 the presence or absence of a VCPR under various scenarios.

5 So what if a veterinarian never physically examines  
6 the animal, but sells the client an injectable drug, would  
7 there be a valid VCPR?

8 A. No.

9 Q. Why not?

10 A. Because he hasn't examined that animal and determined what  
11 the underlying problem is that he's prescribing a medication  
12 for.

13 Q. What if a client describes symptoms to the veterinarian  
14 over the phone, but the veterinarian never conducts a physical  
15 examination, would that be sufficient to establish a VCPR?

16 A. No.

17 Q. Why not?

18 A. Because as we were just saying, there can be multiple  
19 reasons for similar symptoms. And until the veterinarian has  
20 established what the actual diagnosis is, it's really  
21 impossible to prescribe a treatment.

22 Q. And what if a client sends the veterinarian blood tests  
23 conducted of an animal, but there's still no physical  
24 examination, is there a valid VCPR?

25 A. No.



M52BGIA1

Bowman- Direct

1 Q. Why not?

2 A. Because the blood tests have to be interpreted in light of  
3 the physical exam findings and history of the patient.

4 Q. What if a client ask a veterinarian for a prescription drug  
5 by name without referencing the animal and there's no physical  
6 examination?

7 A. No.

8 Q. What if all those things happened between a pet owner and a  
9 non-veterinarian, would there be a valid VCPR?

10 A. No.

11 Q. Have you heard of the term "companion animal"?

12 A. Yes.

13 Q. Can you give us some examples?

14 A. Companion animals are generally, at least in the CVM world,  
15 horses, dogs, cats and small pets, like guinea pigs, gerbils,  
16 hamsters.

17 Q. Are cattle considered companion animals?

18 A. No.

19 Q. What about sheep?

20 A. No.

21 Q. What about pigs?

22 A. No.

23 Q. Are veterinarian different from drug manufacturers?

24 A. Yes.

25 Q. In what ways?

M52BGIA1

Bowman- Direct

1 A. Veterinarians are license to practice medicine and drug  
2 manufacturers are in the business of manufacturing and selling  
3 drugs.

4 Q. And are veterinarians exempt from the FDA's regulations  
5 regarding drug manufacturing?

6 A. No.

7 Q. I'd like to review a few exhibits with you, Dr. Bowman.  
8 These consist of intercepted calls that are already in  
9 evidence, and I'd like to ask you a few questions based on the  
10 substance of those intercepted calls.

11 Ms. Jung, if you could please display Government  
12 Exhibit 169AT and play Government Exhibit 169A. And if the  
13 jurors would like to follow along with their binders, they can  
14 turn to tab 169AT.

15 For the record, this is an April 30, 2019 call between  
16 Lisa Giannelli and Norman more forward.

17 If the jurors are ready, I ask Ms. Jung to please play  
18 Government Exhibit 169A.

19 (Media played)

20 (Media stopped)

21 BY MS. MORTAZAVI:

22 Q. Dr. Bowman, are you familiar with the term RX?

23 A. Yes.

24 Q. What does that refer to?

25 A. That refers to prescription drugs.

M52BGIA1

Bowman- Direct

1 Q. Assuming there was no veterinarian participating in this  
2 call, was there a valid VCPR?

3 A. No.

4 MS. MORTAZAVI: Ms. Jung, could you please display  
5 Government Exhibit 182T and Government Exhibit 182.

6 And if the jurors would like to follow along in their  
7 binders, they could turn to that tab.

8 For the record, this is an April 27, 2019 call between  
9 Lisa Giannelli and Timothy Collins, and I'll have Ms. Jung  
10 please play Government Exhibit 182.

11 (Media played)

12 (Media stopped)

13 BY MS. MORTAZAVI:

14 Q. Dr. Bowman, in that call, were there any drugs described  
15 that would be considered prescription dugs?

16 A. Yes.

17 Q. Could you name some?

18 A. The Banamine, the Bute and the omeprazole.

19 Q. And again, assuming there was no veterinarian participating  
20 in that call, was that request a valid VCPR?

21 A. No, it wouldn't.

22 And let me clarify, omeprazole can be over-the-counter  
23 or prescription depending on the administration instructions.

24 Q. The Bute and Banamine would be considered prescription?

25 A. Yes, there's no over-the-counter version of either of those

M52BGIA1

Bowman- Direct

1 drugs.

2 Q. Can you repeat your answer I'm not sure I caught it. Is  
3 this request a valid VCPR?

4 A. No.

5 Q. And why not?

6 A. Because there's no discussion of the -- there's no  
7 identification of the animal. There's no verification from a  
8 veterinarian that these drugs would be appropriate for  
9 dispensing to this client.

10 There's no discussion of the information that would be  
11 needed to add into a medical record.

12 MS. MORTAZAVI: Ms. Jung, you can take this down, and  
13 if you could please display Government Exhibit 185T and  
14 Government Exhibit 185.

15 And if the jurors would like to turn to that tab in  
16 their binders and they can follow along.

17 Ms. Jung, if you can please play Government Exhibit  
18 185.

19 (Media played)

20 (Media stopped)

21 BY MS. MORTAZAVI:

22 Q. Dr. Bowman, does that reflect a valid VCPR?

23 A. No.

24 Q. Why not?

25 A. There's no identification of the animal that these

M52BGIA1

Bowman- Direct

1 medications will be used on. There's no discussion of whether  
2 that would have approved the dispensing of medications or the  
3 problem that's being treated.

4 It sounds like it's just two people having a  
5 transaction.

6 Q. Dr. Bowman, you mentioned that in your role as FDACVM, I  
7 believe you mentioned you conduct reviews on safety and  
8 efficacy; is that correct?

9 A. In my old role I did, yes. .

10 Q. All right. Are those sometimes referred to as GRASE  
11 analyses?

12 A. Okay. I do GRASE analyses now, a little bit different than  
13 the review of safety and effectiveness data.

14 Q. Can you tell us what that term stands for, GRASE?

15 A. So a GRASE is a review of an unapproved drug where we're  
16 looking to determine whether it's generally recognized as safe  
17 and effective by experts in the area.

18 If it is generally recognized as safe and effective by  
19 experts in the field, then it would not require a new animal  
20 drug approval because it wouldn't be a new animal drug.

21 Q. What steps do you take when you undertake a GRASE review?

22 A. So when I do a GRASE review, I take all the information  
23 that we have about the drug to determine its intended use and I  
24 evaluate whether the drug is listed with FDA, if we know who  
25 the manufacturer is, whether the manufacturer is establishment

M52BGIA1

Bowman- Direct

1 registered. I check to see if that drug is approved or an  
2 investigational drug that's being misused.

3 And I also then using that intended use information is  
4 evidence of intended use, I go through and I search the  
5 published medical literature, the peer review literature, to  
6 look and see what types of studies have been done to establish  
7 any level of safety or effectiveness for that drug for that  
8 use.

9 Q. As part of that process, do you check whether a drug is FDA  
10 approved?

11 A. Yes.

12 Q. Do you check whether the manufacturer is registered with  
13 the FDA?

14 A. Yes.

15 MS. MORTAZAVI: I'm going to read into the record a  
16 stipulation between the parties, your Honor.

17 This is Government Exhibit 9002, and I'm going to  
18 forego the initial paragraph.

19 THE COURT: Yes.

20 MS. MORTAZAVI: If called to testify at trial,  
21 representatives of the Food and Drug Administration Center for  
22 Veterinary Medicine, "FDA" would testify that (a) after  
23 conducting a diligent search of all relevant records in  
24 databases, the FDA has no records indicating that any of the  
25 following companies, entities or individuals were ever

M52BGIA1

Bowman- Direct

1 registered with the FDA to manufacture drugs in the United  
2 States:

3 Equestology, Inc., Equestology LLC, Seth Fishman DVM,  
4 21st Century Biochemicals, Inc., Jordan Fishman, Equiformance,  
5 Equi-Science, Equi-Tech, Specialized Performance Compound.

6 B. After conducting a diligent search of all relevant  
7 records and databases, the FDA has no records indicating that  
8 any of the following drug products were listed with the FDA:

9 VO2 Max, BB2, BB3, Serenity, TB-7, (Tymosyn Beta)  
10 ITPlus, BPB, HP Bleeder, HP Bleeder Plus, Homeopathic Bleeder  
11 Paste, EPM Double Kill, Iron Sucrose, GNRH, PSDS, (Pain Shot  
12 DS), ACTH.

13 And C. After conducting a diligent search of all  
14 relevant records and databases, the FDA has no records  
15 indicating that the FDA issued export certificates for any of  
16 the following companies, individuals, entities or drug  
17 products:

18 Equestology, Equestology, Inc., Equestology LLC, Seth  
19 Fishman DVM, 21st Century Biochemicals, Inc., Jordan Fishman,  
20 Equiformance, Equi-Science, Equi-Tech, Specialized Performance  
21 Compound, and I'll stop reading this and skip to the bottom.

22 It is further stipulated and agreed by and between the  
23 parties that this stipulation which is Government Exhibit 9002  
24 may be received in evidence at trial, and the government offers  
25 Government Exhibit 9002.

M52BGIA1

Bowman- Direct

1 THE COURT: It will be received. This is in evidence.  
2 It's an agreement between the parties, and this is evidence she  
3 may consider.

4 (Government's Exhibit 9002 received in evidence)

5 BY MS. MORTAZAVI:

6 Q. Dr. Bowman, were you asked to evaluate whether certain  
7 drugs received any approval from the FDACVM?

8 A. Yes.

9 Q. Were you also asked to conduct a GRASE review of various  
10 drugs?

11 A. Yes, I was.

12 Q. And who asked you to do that?

13 A. You do.

14 MS. MORTAZAVI: So I'd like to review some categories  
15 of drugs with you and then discuss the analysis that you  
16 conducted in this case.

17 Ms. Jung, could you please display for the jurors and  
18 the witness Government Exhibit 711 which is a record that was  
19 extracted from Lisa Giannelli's computer seized from her  
20 residence.

21 Q. Dr. Bowman, I'd like to review this document with you which  
22 consist of a list of different drugs.

23 Looking at the first category, HP Bleeder Plus.

24 Ms. Jung, if you could focus on it. That's perfect,  
25 thank you.



M52BGIA1

Bowman- Direct

1 Can you please read this into the record, Dr. Bowman,  
2 starting with "a combination."

3 A. A combination of a proven.

4 MR. FASULO: Objection. The document speaks for  
5 itself.

6 THE COURT: I'll give her some latitude. She's not  
7 going to read the whole document. It is in evidence. The jury  
8 understands that.

9 MS. MORTAZAVI: Certainly not.

10 A. "A combination of a proven and test free "bleeding" (EIPH:  
11 Exercise induced pulmonary hemorrhage) and analgesic. The  
12 analgesic constituents have been published as effective and  
13 safe in a peer reviewed study in global and journals."

14 Q. Let me pause you right there.

15 Are you familiar with EIPH?

16 A. Yes.

17 Q. What is that?

18 A. It's exercise induced pulmonary hemorrhage, and it occurs  
19 in the lungs following extreme exercise in some horses.

20 Q. And the term "analgesic" as used here, are you familiar  
21 with that is?

22 A. Analgesic are pain relievers.

23 MS. MORTAZAVI: I'm going to read into the record a  
24 portion of this description.

25 "HP bleeder plus contains the strongest test free

M52BGIA1

Bowman- Direct

1 vasodilators available on the market. Vasodilation is a  
2 benefit to all athletes shown in numerous published articles  
3 for humans. Horses benefit even more as they are prone to  
4 EIPH. Lasix is the current common treatment for EIPH which  
5 will aid in the reduction of blood volume, but will also  
6 produce dehydration and the risk to the equine of tying up and  
7 other conditions. HP Bleeder Plus can achieve same results  
8 without the side effects of Lasix."

9 Q. I'm going to ask you about some of the terms.

10 Are you familiar with vasodilators?

11 A. Yes.

12 Q. What are those?

13 A. When you think of a blood vessel, around the outside of  
14 that blood vessel, there's a layer of muscle. So vasodilator  
15 is a drug that relaxes that muscle and allows the blood vessel  
16 to expand and that just tends to reduce blood pressure.

17 Q. Are you familiar with Lasix?

18 A. Yes.

19 Q. What is that?

20 A. Lasix, is furosemide. It's a commonly used drug that  
21 causes the body to eliminate excess fluid and therefore reduces  
22 the blood volume and blood pressure.

23 Q. And to just distill it down, what claims are made here  
24 about this drug intended use as you understand it?

25 MR. FASULO: Objection.

M52BGIA1

Bowman- Direct

1 THE COURT: Grounds?

2 MS. MORTAZAVI: It's her expert opinion.

3 MR. FASULO: The document speaks for itself.

4 THE COURT: Overruled.

5 Ms. Mortazavi is asking for your understanding.

6 A. Could you repeat the question.

7 Q. What is your understanding reviewing this product  
8 description about this drug's intended use?

9 A. So it appears that this drug is intended to use as a  
10 vasodilator in the treatment of horses with exercise induced  
11 pulmonary hemorrhage, and it claim to be better than the  
12 standard treatment which would be Lasix.

13 Q. Are those claims related to the effecting the structure or  
14 function of an animal?

15 A. Yes, and treating a disease.

16 Q. So is this a drug that would typically require a  
17 prescription?

18 A. Yes.

19 Q. Was HP Bleeder Plus FDA approved?

20 A. No.

21 Q. Were you asked to conduct a GRASE analysis?

22 A. Yes.

23 Q. And what were your conclusions?

24 A. My conclusions were that there are not any published  
25 articles to support that this drug is safe or effective for

M52BGIA1

Bowman- Direct

1 intended use.

2 Q. Ms. Jung, could you please display Government Exhibit 1018.

3 Dr. Bowman, I'm going to ask you about this particular  
4 label. Does this contain all the information the FDA typically  
5 requires on an approved drug label?

6 A. No, it doesn't.

7 Q. What, if any, information is missing?

8 A. So this label is missing a lot of the label sections.  
9 Because it's an IV administration, it would be expected to be a  
10 prescription drug, so it's missing the prescription legend is  
11 what it's called.

12 The law restricts this drug to use by or on the order  
13 of a license veterinarian. It lacks the contact information  
14 for the firm that manufactured it or distributed it.

15 It lacks a complete ingredient statement and an  
16 indication statement.

17 It also lacks cautions, precautions and other  
18 information that would be necessary in order to know when to  
19 safely use the drug.

20 Q. Ms. Jung, could you please display Government Exhibit 1122,  
21 1123 and 1124.

22 MS. MORTAZAVI: For the record, these are photographs  
23 that are already in evidence of drugs that were seized during a  
24 search of Christopher Oakes's barn.

25 Q. Dr. Bowman, do you want to take a minute and just look at

M52BGIA1

Bowman- Direct

1 the different angles of this particular label, which for the  
2 record it appears to have the writing on it HP bleeder and then  
3 a plus sign.

4 Dr. Bowman, I'm going to ask you a minute whenever  
5 you're done reviewing, whether you can tell us what  
6 information, if any, is missing from these labels that FDA  
7 typically requires?

8 A. Similar to the other label it lacks the identification of  
9 the manufacturer or the distributor with contact information.  
10 It lacks the indication for use.

11 It lacks the complete ingredient statement and it  
12 lacks the information, such as cautions, precautions and  
13 warnings that would be necessary to use the drug safely.

14 Q. Ms. Jung, if you could take these down and please display  
15 Government Exhibit 1407, 1408, 1409 and 1410.

16 Which is again, for the record, in evidence as  
17 photographs of a bottle that was seized or a drug that was  
18 seized from the Golden Shoe Training Center.

19 And, Dr. Bowman, I'll be asking you the same question  
20 regarding these labels whenever you had a chance to review, you  
21 can begin to answer?

22 A. Similar to the HP bleeder plus label, this also lacks the  
23 information on the manufacturer or the distributor with the  
24 contact information.

25 It lacks information. It lacks the prescription

M52BGIA1

Bowman- Direct

1 legend, an indication statement. The direction for use don't  
2 even -- which it didn't on any of the labels -- doesn't even  
3 tell you what species you're supposed to administer to, and it  
4 lacks all the information about caution, precaution and warning  
5 statements and a complete ingredient statement.

6 Q. Ms. Jung, if you can take these down and please display  
7 Government Exhibit 161AT, and please play Government Exhibit  
8 161A.

9 And again the jurors can follow along with their  
10 binders if they'd like or they can follow the transcript on  
11 their screen.

12 For the record, this is an intercepted call dated  
13 April 22, 2019, between Lisa Giannelli and Brian Malone.

14 Ms. Jung, can you please play this exhibit.

15 (Media played)

16 (Media stopped)

17 BY MS. MORTAZAVI:

18 Q. Dr. Bowman, having reviewed that phone call and that  
19 transcript, assuming there's no veterinarian on that call, does  
20 that reflect a valid VCPR?

21 A. No, it didn't.

22 Q. Why not?

23 A. It doesn't identify the horses these drugs are going to be  
24 used for. There's no veterinarian providing the authority to  
25 dispense those drugs, not even a reference to the veterinarian

M52BGIA1

Bowman- Direct

1 has to pay or anything and there's been no diagnosis that we  
2 know of.

3 Q. And, Dr. Bowman, I'm going to ask you to lean the  
4 microphone a little closer to your mouth just to make sure  
5 everyone can hear you.

6 Ms. Jung, if you could please go back to Government  
7 Exhibit 711.

8 Dr. Bowman, do you see at the bottom of the first page  
9 there's a number 2 with bleeding pills?

10 A. Yes.

11 Q. Could you review the sentences that follow starting with  
12 "Bleeder pills increase vascular integrity and help reduce  
13 inflammation," and you can just look up at me when you're done  
14 reading.

15 Dr. Bowman, what claims, if any, are made about  
16 bleeding pills intended use?

17 A. The claims made include vasodilation, analgesic and an  
18 antiinflammatory claim in that they describe it as being  
19 equivalent of getting a low dose corticosteroid steroid.  
20 corticosteroid are antiinflammatory, so I would say it makes  
21 all three of those claim.

22 Q. Is this a drug that would typically require a prescription?

23 A. Yes, because it requires a diagnosis of EIPH before you  
24 would decide to dispense this product.

25 Q. Ms. Jung, if we could go back to the full exhibit,

M52BGIA1

Bowman- Direct

1 Government Exhibit 711, and go to number 3 on the list which is  
2 on page 2 and that's VO2 Max.

3 Dr. Bowman, could you read the first line that appears  
4 under the red text starting VO2 Max?

5 A. "VO2 Max: HP Bleeder plus with additional ingredients.  
6 Usually 10 mls 4-5 for prior to race."

7 Q. If you can read the next sentence that follows and you can  
8 pause at the end of that sentence.

9 A. "All-natural Japanese amino acid-based product that has  
10 profound vasodilatory properties."

11 Q. Is there a recommendation as to dose that's provided in the  
12 second paragraph, in the second to last line of this  
13 description?

14 A. In the last paragraph there is a dose provided.

15 MS. MORTAZAVI: I'm going to read that out loud into  
16 the record.

17 "Dose is 10-20 mls intravenously for 1000 pound 450  
18 kilograms."

19 Q. So what claims are made as to this drug's intended use,  
20 Dr. Bowman?

21 A. So this drug is also being claimed as useful for horses  
22 with exercise induced pulmonary hemorrhage and it's claiming  
23 that it provides vasodilation and it proves lactic acid  
24 accumulation.

25 Lactic acid accumulates when horses intensely



M52BGIA1

Bowman- Direct

1 exercise. Muscles produce lactic acid and they become somewhat  
2 anaerobic in their physiology and lactic acid can build up, so  
3 they're claiming that this will also aid in that process.

4 Q. And are the claims here relating to effecting the structure  
5 or the function of an animal?

6 A. Yes, and controls symptoms of disease.

7 Q. Is this drug one that would typically require a  
8 prescription?

9 A. Yes.

10 Q. Was this drug FDA approved?

11 A. No.

12 Q. And were you asked to conduct a GRASE analysis of VO2 Max?

13 A. Yes, I was.

14 Q. What were your conclusion?

15 A. My conclusion was that I couldn't find any published  
16 studies to demonstrate that there was any safety or  
17 effectiveness of this product for the indications.

18 Q. Ms. Jung, if we could take down this exhibit and please  
19 display Government Exhibit 1028 which is also in evidence.

20 If we could focus on just one of the labels that  
21 appear here, for the record, on what appears to be a label  
22 sheet.

23 Dr. Bowman, looking at this label which has the  
24 writing on it VO2 Max, could you tell us if this contains all  
25 the information that the FDA would typically require on a drug

M52BGIA1

Bowman- Direct

1 label?

2 A. No, it doesn't.

3 Q. What, if any, information is missing?

4 A. It's missing the prescription legend. It's missing the  
5 identifier of the manufacturer or distributor with contact  
6 information.

7 It's missing the indication section, a proper  
8 ingredient statement and the caution, precautions that would be  
9 relative to the specific use of this drug.

10 Q. I'm sorry, Dr. Bowman, I may have missed it.

11 Did you already discuss whether or not this included  
12 manufacturer information?

13 A. Yes.

14 Q. Ms. Jung, if you could please display Government Exhibit  
15 1114, 1115, 1116 and 1117.

16 And for the record, these are photographs taken during  
17 the search of Christopher Oakes's barn that have been admitted  
18 by stipulation.

19 Ms. Jung, if you can zoom in on 1117.

20 Dr. Bowman, just given this angle, are you able to  
21 read most of the text on this label?

22 A. Yes.

23 Q. Does this appear to be the same product with a slightly  
24 different label than the one we viewed before?

25 MR. FASULO: Objection.

M52BGIA1

Bowman- Direct

1 THE COURT: Sustained.

2 Q. Dr. Bowman, is there any information on this label, just  
3 given the current view that is missing that the FDA would  
4 require?

5 A. Yes. Similar to other labels we've looked at, this one is  
6 missing the manufacturer, distributor contact information.  
7 It's missing an indication section. It's missing a complete  
8 ingredient statement. It's missing the prescription legend.

9 Q. Thank you, Dr. Bowman.

10 If we take down these exhibits, please, Ms. Jung. And  
11 could you please display for the jury Government Exhibit 127BT  
12 and prepared Government Exhibit 127B, which is a portion of a  
13 call intercepted on April 4th, 2019 between Seth Fishman and  
14 Nick Devita.

15 Once again, the jurors are welcome to follow along  
16 with their binders or on their screen.

17 Ms. Jung, if you could please play this government  
18 exhibit.

19 (Media played)

20 (Media stopped)

21 MS. MORTAZAVI: Ms. Jung, if you can take down, this  
22 exhibit, and please return to Government Exhibit 711, and if  
23 you could turn to page 2 of that exhibit number 5 on the  
24 itemized list.

25 For the record, this is PSDS, natural analgesic-pain

M52BGIA1

Bowman- Direct

1 killer.

2 BY MS. MORTAZAVI:

3 Q. Dr. Bowman, could you read the first lines that follow the  
4 portion that I just read.

5 A. "This product is based on the original Panacin formulation.  
6 It has 2.5 times more D-Phenylalanine than all other compounded  
7 and production versions."

8 Q. Are you familiar with D-Phenylalanine?

9 A. Yes.

10 Q. What is it?

11 A. It's an amino acid.

12 MS. MORTAZAVI: And continuing on this description,  
13 the sentence that follows.

14 "It is a mild anti-inflammatory compound and is a  
15 prominent component in wound healing. Intense exercise always  
16 involved an anaerobic component and thus results in significant  
17 reductions in ATP, an increase in muscle lactic acid, and an  
18 increase in tissue acidity."

19 Ms. Jung, if you can turn to the next page to the  
20 description that continues. I'm going to read out loud the  
21 text in bold.

22 Best used over two to three days prior to strenuous  
23 exercise. The typical dose is 5 mls and the last dose is  
24 usually administered four to six hours prior to strenuous  
25 exercise.

M52BGIA1

Bowman- Direct

1 BY MS. MORTAZAVI:

2 Q. Dr. Bowman, are there any claims made here about this  
3 drug's intended use?

4 A. They make claims that this drug will help with muscle  
5 fatigue and the name itself implies pain relieving aspect to  
6 this drug cause.

7 MR. FASULO: Objection.

8 THE COURT: Grounds?

9 MR. FASULO: Speculation.

10 THE COURT: Overruled.

11 You can continue, Dr. Bowman.

12 A. It's a pain shot double shot PSDS, so that certainly -- we  
13 would expect from that name that the drug would be used as a  
14 pain reliever as well as to improve the muscle function during  
15 extreme exercise.

16 Q. So is this a drug that would typically require a  
17 prescription?

18 A. Yes.

19 Q. Was this drug FDA approved?

20 A. No.

21 Q. Were you asked to conduct a GRASE analysis of this drug?

22 A. Yes.

23 Q. And what were your conclusions?

24 A. I was not able to find any substantial evidence of safety  
25 effectiveness for this drug in the published literature.

M52BGIA1

Bowman- Direct

1 Q. Ms. Jung, could you please display Government Exhibit 1027.

2 Dr. Bowman, I know that the text given the coloring is  
3 a little tricky to read, but could you tell us, does this label  
4 contain all the information the FDA typically requires on an  
5 approved drug label?

6 A. No, it doesn't.

7 Q. What, if any, information is missing?

8 A. Well, it's missing the information that would identify the  
9 distributor, the manufacturer with contact information for  
10 them.

11 It's missing the prescription legend. It's missing  
12 the section and the warnings and precautions for the safe use  
13 of the drug.

14 And I'm not sure if that's a complete ingredient  
15 statement, but because it's an injectable product, it should  
16 give -- and maybe it does give the concentration of the active  
17 ingredients, but I don't know if the inactive ingredients are,  
18 if there are any.

19 MS. MORTAZAVI: Ms. Jung, if you could take down this  
20 and please play Government Exhibit 171A, and display its  
21 corresponding transcript 171AT.

22 For the record, this is a May 1, 2019 between Lisa  
23 Giannelli and Tyler Bitager (ph).

24 Ms. Jung, if you could please play.

25 (Media played)

M52BGIA1

Bowman- Direct

1 (Media stopped)

2 BY MS. MORTAZAVI:

3 Q. Dr. Bowman, reviewing that transcript and that call,  
4 assuming there's no veterinarian that was apart of that call,  
5 did that reflect a valid VCPR?

6 MR. FASULO: Objection.

7 A. No, it didn't.

8 THE COURT: Overruled.

9 Q. Why not?

10 A. There's no discussion of what horse this is for, whether  
11 he's trying to accomplish -- he says it's to calm them down,  
12 but for what purpose. That would make a difference into what  
13 drug you would prescribe.

14 If you're trying to calm them down to have their feet  
15 trim, you might use a different product, and it would depend on  
16 when its next race was, that type of information, and none of  
17 that is going on, so there's no evidence that there was a  
18 veterinarian in this conversation.

19 THE COURT: Ms. Mortazavi, when you get to a  
20 convenient breaking point.

21 MS. MORTAZAVI: Your Honor, I'm about to move onto a  
22 new category approach, so this might be a good breaking point.

23 THE COURT: All right.

24 Ladies and gentlemen, why don't you leave your  
25 notepads on your seat with the transcript binders. We'll take

M52BGIA1

Bowman- Direct

1 a short break.

2 Please remember not to discuss the case during the  
3 break and wait until all evidence has come in before you start  
4 discussing the case with each other.

5 I'll see everyone back here in about 10 to 15 minutes.

6 All right. Thank you.

7 Dr. Bowman, you remain under oath, so please do not  
8 discuss your testimony with anyone during the break.

9 Thank you.

10 (Continued on next page)



M52BGIA1

Bowman- Direct

1 (Jury not present)

2 THE COURT: Is there anything we need to discuss?

3 MS. MORTAZAVI: Not from the government.

4 MR. FASULO: Not from the defense.

5 THE COURT: Thank you, everyone. Have a good break.

6 I'll see you back shortly.

7 (Recess)

8 THE COURT: Before we bring the jurors back,  
9 Mr. Fasulo, I just want to mention to you when you and your  
10 colleagues are shuffling papers and talking, sometimes it's a  
11 little loud and distracting.

12 MR. FASULO: We'll be very careful.

13 THE COURT: Try to be mind. Thank you.

14 (Continued on next page)

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M52BGIA1

Bowman- Direct

1 (Jury present)

2 THE COURT: Dr. Bowman, you remain under oath.

3 Ms. Mortazavi.

4 MS. MORTAZAVI: Thank you, Your Honor.

5 Ms. Jung, can we please display Government Exhibit  
6 711, and please turn to page 3 and item number 7 on the  
7 itemized list.

8 BY MS. MORTAZAVI:

9 Q. I'm going to read this out loud for you, Dr. Bowman, in red  
10 text.

11 "GNRH Factrel, Androgenic Hormone

12 Gondorelin Acetate is similar Factrel and identical in  
13 sequence to Cystorelin. This product is best used for sulking  
14 horses, typically half to full bottle is used four to six hours  
15 prior to strenuous exercise."

16 Dr. Bowman, are you familiar with any of the terms  
17 that I just read out?

18 A. Yes.

19 Q. Could you tell us which ones and what they mean?

20 A. So Gondorelin acetate is the active ingredient in two -- at  
21 least two approved animal prescription drugs. Factrel and  
22 Cystorelin, those are the brand names of two approved products.

23 They talk about this drug being used for sulking  
24 horses. I think that's a term more commonly used in the horse  
25 industry as sour horses, so horses that are not willing to put

M52BGIA1

Bowman- Direct

1     forth their best. They may be a little afraid of the other  
2     horses on the track, maybe they don't even want to leave the  
3     stall or the barn area. It sounds like this drug is being  
4     promoted for that use.

5     Q. Based on this description, what claims are made about this  
6     drug's intended use?

7     A. It's an androgenic hormone so that is a hormone that would  
8     increase the androgens which are the testosterone so that would  
9     increase the aggressive behavior of the horse.

10    Q. So are there claims made here relating to effecting the  
11    structure or function of an animal?

12    A. Yes.

13    Q. Is this a drug that would typically require a prescription?

14    A. Yes, it is.

15    Q. Is this drug FDA approved?

16    A. No, it's not, not this version of the drug. Factrel and  
17    Cystorelin are not approved.

18    Q. Were you asked to conduct a GRASE analysis of GNHR?

19    A. Yes, I was.

20    Q. What were your conclusion?

21    A. I couldn't find any published study from the literature to  
22    support the safety or effectiveness of Dr. Fishman's version of  
23    GNRH.

24               MS. MORTAZAVI: Ms. Jung, can you please display  
25    Government Exhibit 1023 and focus in on one of the label on

M52BGIA1

Bowman- Direct

1 this with the name GNRH.

2 Q. Dr. Bowman, could you tell us looking at this if there is  
3 any information missing that the FDA would typically require?

4 A. Yes.

5 Q. Could you explain?

6 A. So this label is also missing the information on the  
7 distributor or the manufacturer with contact information. It's  
8 missing the prescription legend. The indication section, I  
9 assume that this was -- it's a powder for injection, so that  
10 probably is a complete list of the ingredients on this one, but  
11 it does lack warnings and precaution statement that would be  
12 necessary.

13 MS. MORTAZAVI: Ms. Jung, could you please display  
14 Government Exhibit 1404, 1405 and 1406.

15 For the record, these are photographs of a bottle that  
16 was seized from a search of the Golden Shoe training center.  
17 Could you focus in on Government Exhibit 1405 and 1406.

18 I'm going to read out loud the text that appears in  
19 bold at the top of this label, GNRH.

20 Ms. Jung, if you can take this down and please display  
21 Government Exhibit 1507, which for the record is another  
22 photograph of a bottle that was seized from a search of the  
23 barn of the Mount Hope Training Center.

24 And once again, I'm going to read the text that  
25 appears in bold at the top of the label, GNRH.

M52BGIA1

Bowman- Direct

1 Ms. Jung you can take this down, and please display  
2 Government Exhibit 711. Once again, turn to page 3.

3 This time if you could focus on item number 8. ITPP  
4 Plus increase oxygen release in blood, and I'm going to be  
5 reading the description as a whole.

6 "ITPP plus other ingredients. ITPP increases oxygen  
7 release. Compared to what's sold online, it's less than half  
8 the price. Most people are using half bottle night before and  
9 remainder of bottle four to five hours before event."

10 BY MS. MORTAZAVI:

11 Q. Dr. Bowman, what claims are made here about this drug's  
12 intended use?

13 A. It appears this drug's intended use is to increase the  
14 oxygen content in blood, thereby improving performance by  
15 having a sufficient amount of oxygen for the muscles to work.

16 Q. Is that a claim that relates to the structure or function  
17 of the animal?

18 A. Yes, it is.

19 Q. Is this a drug that would typically require a prescription?

20 A. Yes, it is.

21 Q. Is this drug FDA approved?

22 A. No, it isn't.

23 Q. Were you asked to conduct a GRASE analysis of this drug?

24 A. I think it's the same drug. I did IT plus, but I would  
25 have found anything that was for ITPP plus in my searches if it

M52BGIA1

Bowman- Direct

1 were there.

2 Q. And in your analysis of IT plus, what were your conclusions  
3 there?

4 A. My conclusion was that there is no evidence in the  
5 published literature to support the safety or effectiveness of  
6 this drug for any purpose in horses.

7 Q. Once again, Dr. Bowman, I'm going to ask you to pull the  
8 microphone closer.

9 Ms. Jung, if you could please display Government  
10 Exhibit 1025, focus on one of the labels on this label sheet.

11 Dr. Bowman, could you tell us what information is  
12 missing, if any, that the FDA would typically require?

13 A. So it's missing the distributor or manufacturer contact  
14 information, the indication section. It's missing the  
15 contraindications and warnings and the prescription legend.

16 And I will give the benefit of a doubt that that may  
17 be the complete ingredient statement; however identifying  
18 propriety amino acids and sugars would not be an acceptable  
19 ingredient definition.

20 Q. You stated "proprietary amino acids and sugars," is that  
21 the actual text that appears on this label?

22 A. Proprietary AA which stands for amino acids and sugars.

23 Q. Is it sufficient as part of an ingredient list to just  
24 include propriety blend or here, proprietary AAs?

25 A. No, it isn't.

M52BGIA1

Bowman- Direct

1 Q. Why not?

2 A. You have to identify each active ingredients by its  
3 specific established name.

4 Q. Ms. Jung, if you could take down this exhibit and please  
5 display Government Exhibit 711, and this time turn to page 4.

6 Looking at number 9 on the itemized list, I'm going to  
7 read portions of this into the record, Dr. Bowman, but for the  
8 record, did you review this entire description as part of your  
9 preparation for your testimony today?

10 A. Yes, I did.

11 MS. MORTAZAVI: "TB-7 accelerated tissue repair  
12 especially in lungs. It has in some cases been effectively  
13 used as short-term prerace, but in most cases this has been  
14 short lived and with athletes crashing. Like all  
15 immunomodulators they are highly beneficial in small strategic  
16 doses and promote overall healing and increased immunity.

17 Q. Are there any claims made here about this drug's intended  
18 use?

19 A. Yes.

20 Q. What are those?

21 A. This drug has an intended use of promoting healing, and  
22 especially postrace, after postrace bleeding, so for horses  
23 with the EIPH.

24 Q. And are those claims that relate to the structure or  
25 function of the animal?

M52BGIA1

Bowman- Direct

1 A. Yes, they do.

2 Q. Is this a drug that would typically require a prescription?

3 A. Yes.

4 Q. Is TB-7 FDA approved?

5 A. No, it isn't.

6 Q. Were you asked to conduct a GRASE analysis?

7 A. Yes, I was.

8 Q. What were your conclusions?

9 A. My conclusion was that there was no published medical  
10 literature to support the use of this compound in horses for  
11 this use.

12 MS. MORTAZAVI: Ms. Jung, could you please display  
13 Government Exhibit 1111, 1112 and 1113, which for the record  
14 are photographs of drugs that were seized from the barn of  
15 Christopher Oakes.

16 Q. Dr. Bowman, if you need a minute to review the three  
17 photographs, I'm going to be asking you, what, if any,  
18 information is missing from this label that the FDA typically  
19 requires.

20 I'll repeat my question, Dr. Bowman. What  
21 information, if any, is missing from this label that the FDA  
22 typically requires?

23 A. This label is missing the identifier for the manufacturer,  
24 the distributor with contact information. It's missing the  
25 prescription legend.



M52BGIA1

Bowman- Direct

1           It's missing the indication section, and it's unclear  
2 whether that is intended to be a complete ingredient statement.  
3 But because it's an injectable product or it's intended for  
4 injection, it would be required to give the concentration of  
5 each active ingredient which it does not, and there's no  
6 warnings or precautions.

7           MS. MORTAZAVI: Ms. Jung, if you could please take  
8 down these exhibits. Could you please display Government  
9 Exhibit 320FK, and if you could focus on the messages in the  
10 middle starting with March 1, 2019, 2:31 p.m., and then the  
11 section that follows.

12           And for the record, this is a record of Equestology  
13 that is already in evidence per stipulation. I'm going to read  
14 it into the record.

15           "Lisa Ranger Cell. Some of the TB-7 I have here is  
16 expired. Is it still good. Expired May 2018.

17           Seth AA: Yes.

18           Lisa Ranger cell: Okay."

19 Q. Dr. Bowman, what's the FDA's position on selling expired  
20 drugs?

21 A. You would not be permitted to sell expired drugs. If you  
22 were an approved product, you could extend your expiration  
23 dating through supplemental data potentially if it did stay  
24 within its parameters of effectiveness, but you can't sell  
25 expired drugs.

M52BGIA1

Bowman- Direct

1 MS. MORTAZAVI: Ms. Jung, if you could please take  
2 this down and return to Government Exhibit 711, and again turn  
3 to page 4, looking at number 13 on the numbered list which is,

4 "ACTH, in small dozens will act as natural  
5 anti-inflammatory, larger doses 2CC or more will act as a  
6 sedation.

7 With testing of corticosteroid, there are not many  
8 viable options left. ACTH causes the adrenal gland to release  
9 cortisol, the body's natural corticosteroid."

10 Q. Dr. Bowman in this description of ACTH that continues onto  
11 the following page.

12 Ms. Jung, if you can just please turn to the next page  
13 and focus on that.

14 Do you see here a recommendation as to dose,  
15 Dr. Bowman?

16 A. Yes.

17 (Continued on next page)  
18  
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M526GIA2

Bowman - Direct

1 Q. The typical dose is 250 IUs four to six hours prior to  
2 strenuous exercise?

3 A. Yes.

4 Q. Could you tell us looking at this description, what claims  
5 are made about the intended use of ACTH?

6 A. So the claim for ACTH is that it will increase the  
7 endogenous, the body's own production and release of  
8 corticosteroids.

9 Q. And are those claims related to affecting the structure or  
10 function of an animal?

11 A. Yes.

12 Q. Is this one that would typically require a prescription?

13 A. Yes.

14 Q. And is ACTH FDA approved?

15 A. There are two FDA approved animal drugs that has ACTH as  
16 their active ingredient, but they may not be marketed at the  
17 current time. There's also an approved human ACTH drug that is  
18 available.

19 Q. Is there a version of ACTH that has been approved for any  
20 of the companies that we reviewed previously?

21 A. No.

22 MR. FASULO: Time frame, Judge.

23 THE COURT: Clarify, please.

24 Q. Dr. Bowman, when you review the FDA's database for approved  
25 drugs, for what time period does that database apply?

M526GIA2

Bowman - Direct

1 A. That database started in 1989, 1990. And before that, it  
2 was in the file database, which was rolled into the new  
3 database. So I'm not sure exactly how far back it goes, but I  
4 would say 1965.

5 Q. That database goes back as far back at least 1989?

6 A. Yes, I just can't recall. I did look up to see when the  
7 dial data started. I think it was 1965, but I can't recall a  
8 hundred percent for sure.

9 Q. Were you asked to conduct a grassy analysis of ACTH?

10 A. Yes, I was.

11 Q. What were your conclusions?

12 A. I couldn't find any published medical letter literature to  
13 support the use of ACTH, this ACTH product, or for this use.

14 MS. MORTAZAVI: Ms. Jung, could you please display  
15 Government Exhibit 1022? If you can focus on one of the labels  
16 on the label sheet?

17 Q. Once again, Dr. Bowman, what is missing on this label that  
18 the FDA typically requires?

19 A. So this label is missing the contact information and  
20 identifier for the manufacture, or the distributor, it's  
21 missing the indication, it's missing the prescription legend It  
22 is missing the contraindications and warnings.

23 Q. And, Dr. Bowman, do you see at the bottom of this label,  
24 this appears to be a website?

25 A. Yes.

M526GIA2

Bowman - Direct

1 Q. Is that sufficient to establish manufacturer contact  
2 information?

3 A. No, it isn't.

4 Q. Why not?

5 A. Because the regulation stipulates they have to provide  
6 contact information with a telephone number.

7 Q. All right.

8 A. Address and telephone number.

9 MS. MORTAZAVI: Ms. Jung, if could you take down these  
10 exhibits and display Government Exhibit 1400, 1401, 1402, and  
11 1403.

12 And, for the record, these are photographs of drugs  
13 that were seized from the Golden Shoe Training Center. I want  
14 to read out loud the bold portion at the top of the label that  
15 appears visible on Government Exhibit 1402, ACTH. Ms. Jung if  
16 you can please take this down and display Government Exhibits  
17 1508, 1509, 1510, and 1511, which are photographs of the drugs  
18 seized from the Mount Hope Training Center. And I'm going read  
19 again from the top portion of the label in all caps and bold,  
20 ACTH.

21 Ms. Jung, you can take down these exhibits.

22 Can you please return to Government Exhibit 711,  
23 Ms. Jung. And could you please turn to the last page of this  
24 exhibit?

25 THE COURT: Can you hold up for one second? I have--

M526GIA2

Bowman - Direct

1 an issue with my LiveNotes.

2 MS. MORTAZAVI: Certainly, your Honor.

3 THE COURT: I think it might be coming back now.

4 MS. MORTAZAVI: Okay. Thank you, your Honor.

5 THE COURT: Thank you.

6 Q. I'm going to read into the record portions of this  
7 description that appears on Government Exhibit 711, Dr. Bowman,  
8 Serenity sedation. It's anti-anxiety for the most part. Takes  
9 away stress without affecting performance. Typically 5 to 10  
10 IV four to six hours before event.

11 And then at the bottom, L-theanine can cross the blood  
12 brain barrier and has many published studies demonstrating it  
13 can significantly reduce anxiety and stress. It was also shown  
14 to increase GABA and stimulates dopamine in the brain. More  
15 recent studies have shown it increases serotonin levels as  
16 well, having the ability to increase three key  
17 neurotransmitters, the end result is a distressed mind and  
18 muscle relaxation.

19 Are you familiar with any of the terms I just read  
20 out?

21 A. Yes.

22 Q. Could you explain which ones and what those terms mean?

23 A. So, anti-anxiety is pretty self explanatory. It means it  
24 reduces the nervousness of the animal prior to the race. These  
25 ingredients, L-theanine -- Suntheanine is a brand name for a

M526GIA2

Bowman - Direct

1 version of L theanine, and those are amino acids. GABA is a  
2 neuro transmitter in the brain. And when you increase GABA and  
3 stimulate dopamine, that gives a feeling of wellbeing to the  
4 patient and increase serotonin levels as well, you know, just  
5 create a relaxed, happy patient.

6 Q. So are those all claims made about this drug's intended  
7 use?

8 A. Yes.

9 Q. Generally to affect the mood of the patient?

10 A. Yes.

11 Q. And are those claims related to affecting the structure or  
12 function of an animal?

13 A. Yes.

14 Q. Is this a drug that would typically require a prescription?

15 A. Yes, it is.

16 Q. Is this drug FDA approved?

17 A. No, it is isn't.

18 Q. Were you asked to conduct a GRASE analysis of Serenity?

19 A. Yes, I was.

20 Q. What were your conclusions?

21 A. I was unable to find any data to support the claims made  
22 for Serenity, and I concluded that it was not generally  
23 recognized as safe and effective for the intended use.

24 MS. MORTAZAVI: Ms. Jung, can you please display  
25 Government Exhibit 391S? And, for the record, this is a

M526GIA2

Bowman - Direct

1 document produced by Equestology.

2 Q. And, Dr. Bowman, looking at that label, can you tell us  
3 what, if any, information is missing that the FDA typically  
4 requires on a label?

5 A. So it's missing the manufacturer or the distributor and the  
6 contact information, it's missing the indication section, the  
7 prescription legend, a complete ingredient statement  
8 identifying all the ingredients and the concentrations of them,  
9 and the warnings and precautions that might be necessary to use  
10 the drugs safely.

11 MS. MORTAZAVI: All right. Ms. Jung, if you can take  
12 down this exhibit. And can you please display Government  
13 Exhibit 319R?

14 For the record, another document produced by  
15 Equestology that I will read into the record.

16 From Lisa Ranger, sent Thursday, June 8, 2017, to  
17 Seth Fishman, subject Serenity/Equility. Can you write a short  
18 explanation about Serenity and how to use it? Thanks, Lisa.

19 If can you take that down, please.

20 Please display Government Exhibit 308, once more a  
21 record from Equestology. I'll read this into the record from  
22 Seth Fishman, sent June 8, 2017, to Lisa Ranger, RE  
23 Serenity/Equility. I can make a simple description if you  
24 want. It's an anti-anxiety, for the most part. Takes away  
25 stress without affecting performance. Typically 5 to 10 CC IV



M526GIA2

Bowman - Direct

1 four to six hours before event.

2 Ms. Jung, if you can take this down, and please  
3 display for the jurors Government Exhibit 165AT and prepare  
4 Government Exhibit 165A? Once again, the jurors can follow  
5 along from their screens or binders.

6 This is an April 25, 2019, call between Lisa Giannelli  
7 and Joshua Parker. If you can please play.

8 (Audio played)

9 MS. MORTAZAVI: Ms. Jung, you can take this exhibit  
10 down. And can you please display Government Exhibit 1220,  
11 which is in evidence? And, for the record, is a photograph of  
12 a bottle that was seized from Jorgde Navarro's residence.

13 Ms. Jung, if we can rotate the image so we can see the  
14 label, which says BB3?

15 Q. Dr. Bowman, were you asked to conduct a GRASE analysis of  
16 something called BB3?

17 A. Yes, I was.

18 Q. And did you first check to see whether BB3 is an FDA  
19 approved drug?

20 A. Yes, I did, and it isn't.

21 Q. And what were your conclusions after conducting your GRASE  
22 analysis?

23 A. I was unable to find any data or information in the medical  
24 literature to support the use of a drug called BB3.

25 Q. Looking at this label, I know it may appear obvious, could

M526GIA2

Bowman - Direct

1 you give us three examples of what is missing?

2 A. The indication section, the prescription legend, the  
3 directions for use, the manufacturer identifier, the  
4 ingredients list.

5 MS. MORTAZAVI: All right. Ms. Jung, if we could  
6 please take this down, and could you please display  
7 Government Exhibit 309, which is a record produced by  
8 Equestology. I'm going to read it into the record. Ms. Jung,  
9 if you can focus on the header information and the  
10 lower-in-chain e-mail?

11 Thank you. From Lisa Ranger, sent Friday, January 4,  
12 2019, to Seth Fishman, subject simple terms. If you could  
13 focus on the header information, in the higher-in-chain e-mail?

14 From Seth Fishman sent Saturday, January 5, 2019, to  
15 Lisa Ranger, subject, RE simple terms. See below.

16 And, Ms. Jung if you can focus on the line that says  
17 BB3 in red and the text that follows?

18 BB3 long acting blood builder. Would only let trusted  
19 clients have this.

20 Ms. Jung, if can you take this down and display 319J  
21 which is, again, a record produced by Equestology.

22 I'm going to read the header information and  
23 lower-in-chain e-mail. From Lisa Ranger, sent Wednesday,  
24 January 2nd, 2019, to Seth Fishman and Mary Fox, subject item  
25 description needed. Can you please send a short description of

M526GIA2

Bowman - Direct

1 each item, please?

2 And focusing on the descriptions, I'll read item  
3 number 1.

4 B3. This is a blood builder that is used five to six  
5 days prior. Usually it takes two weeks to see results. The  
6 dosing is once every two weeks. I would really stay low key on  
7 this one.

8 Ms. Jung, can you please display Government Exhibit  
9 113AT and play Government Exhibit 113A? For the record, this  
10 is a February 21, 2019, call between Seth Fishman and Jeff  
11 Gillis.

12 (Audio played)

13 Q. Dr. Bowman, you testified earlier about Epogen. Do you  
14 recall your testimony?

15 A. Yes.

16 Q. Is there an equine-approved version of Epogen?

17 A. No.

18 MS. MORTAZAVI: Ms. Jung, can you please display  
19 Government Exhibit 113BT and prepare Government Exhibit 113B?

20 And, for the record, this is a portion of the same  
21 call, a later portion of the same call that we just played,  
22 February 21, 2019, between Seth Fishman and Jeff Gillis.

23 Ms. Jung, if you can please play.

24 (Audio played)

25 MS. MORTAZAVI: Good. You can take this down. And

M526GIA2

Bowman - Direct

1 please display Government Exhibit 113CT and Government Exhibit  
2 113C, which is another portion of that same call we listened  
3 to. February 21, 2019, between Seth Fishman and Jeff Gillis.  
4 If you can please play this portion of this call.

5 (Audio played)

6 MS. MORTAZAVI: Ms. Jung, if you can take down this  
7 exhibit.

8 If you can please display Government Exhibits 4016 and  
9 4017, which are photographs taken during the search of the  
10 office associated with Seth Fishman in Florida. And if we  
11 could focus on the bottles that appear in the center of this  
12 exhibits, Ms. Jung? I'm going to read what appears to be the  
13 drug name which is listed here, EGH, equine growth hormone.

14 Q. Are you familiar, Dr. Bowman, with equine growth hormone as  
15 a general concept?

16 A. Yes.

17 Q. What is it?

18 A. It's a hormone that's produced naturally in the body that  
19 is responsible for enhancing the growth of tissues and repair  
20 of cells.

21 Q. All right. And looking at this label, does this contain  
22 all the information the FDA typically requires on an approved  
23 drug label?

24 A. No, it doesn't.

25 Q. What information is missing?

M526GIA2

Bowman - Direct

1 A. It's missing the distributor or manufacturer information  
2 with the contact information, it's missing the indication  
3 section, the prescription legend, the information on the  
4 warnings, precautions, and it must have other ingredients  
5 besides just the DHEA, which --

6 MR. FASULO: Objection. Speculation.

7 THE COURT: Lay a foundation.

8 Q. You stated earlier, Dr. Bowman, that you're familiar with  
9 the concept of equine growth hormone?

10 A. Yes.

11 Q. That's separate from this particular drug, correct?

12 A. Yes.

13 Q. All right. And how are you familiar with equine growth  
14 hormone?

15 A. Understanding the physiology of the body and how it works.

16 Q. What is DHEA?

17 A. It's a chemical name for a compound that is metabolized in  
18 the body to androgen.

19 Q. Can that alone stimulate equine growth hormone in an  
20 animal?

21 A. Not that I'm aware of.

22 Q. All right. Now, you were about to describe why you believe  
23 the ingredient list here is incomplete. Can you finish your  
24 answer?

25 MR. FASULO: Objection.

M526GIA2

Bowman - Direct

1 THE COURT: Overruled.

2 A. The reason I believe that the ingredient statement is  
3 incomplete is because I believe it would be a powder if -- for  
4 reconstitution for injection if it was pure equine growth  
5 hormone, or even pure DHEA, but instead it's a liquid. So  
6 unless it was -- it hasn't already been reconstituted because  
7 it has the complete top in place. So it has some kind of  
8 diluent in it.

9 Q. Thank you.

10 MR. FASULO: Objection. Move to strike.

11 THE COURT: Overruled.

12 Q. What is that, diluent?

13 A. That is a liquid that's used in the manufacturer of  
14 pharmacy products that are injectable liquids. It's what the  
15 active ingredients that are solids dissolve into.

16 Q. You used the term reconstitute. Can you explain what that  
17 means?

18 A. Well, if you noticed some of the other products, they came  
19 as a powder in an injection vial with the directions to add  
20 bacteriostatic water to that. That's reconstitution. So it  
21 has a longer shelf life if it's in the dry powdered form, and  
22 you add the liquid just before you're ready to use it.

23 MS. MORTAZAVI: Your Honor, no further questions.

24 THE COURT: Thank you. Mr. Fasulo.

25 MR. FASULO: Thank you, your Honor. One moment.

M526GIA2

Bowman - Cross

1 THE COURT: Sure.

2 MR. FASULO: If I may?

3 THE COURT: Please, yes. Thank you.

4 CROSS-EXAMINATION

5 BY MR. FASULO:

6 Q. Good afternoon, Dr. Bowman.

7 A. Good afternoon.

8 Q. You and I haven't met prior to today; is that correct?

9 A. I believe that's correct.

10 Q. You have met with the government a number of times,  
11 correct?

12 A. Correct.

13 Q. And you've consulted with the government, right?

14 A. Yes.

15 Q. And you've gone over your testimony with the government,  
16 correct?

17 A. Yes, in general.

18 Q. And they asked you about your background, your job?

19 A. Yes.

20 Q. They asked you to look at some products, correct?

21 A. Yes.

22 Q. They asked you what your testimony would be related to  
23 those products, correct?

24 A. Yes.

25 Q. And as you come here today, you come as an expert in the

M526GIA2

Bowman - Cross

1 field of -- in your experience with the FDA, and also in your  
2 role as a veterinarian; is that correct?

3 A. With limitations, yes.

4 Q. Well, as we've spoken.

5 As a vet, though, you had to first go and take an  
6 undergraduate degree?

7 A. Yes, I did.

8 Q. You received that undergraduate degree, and as part of the  
9 requirements to get into medical school -- which is the next  
10 step, correct?

11 A. Yes.

12 Q. You had to take certain science courses as well, correct?

13 A. Yes, I did.

14 Q. You were exposed to a number of science courses during  
15 undergraduate, correct?

16 A. Correct.

17 Q. You took many courses in chemistry, organic chemistry?

18 A. I took courses in those, yes.

19 Q. Applied sciences, right?

20 A. Yep.

21 Q. And then you entered into a rigorous program at your  
22 school?

23 A. Yes.

24 Q. One of the finer programs in the country?

25 A. Well, I don't know about that, but it's a good program.



M526GIA2

Bowman - Cross

1 Q. It's a good program. And the program included not only a  
2 very comprehensive course load, but a lot of field experience,  
3 correct?

4 A. Yes.

5 Q. And part of the comprehensive course load meant being  
6 familiar with all the -- well, being familiar with chemical  
7 properties of various drugs; is that fair to say?

8 A. To a certain extent, yes.

9 Q. And you would say that it was a very highly competitive  
10 program, correct?

11 A. Yes.

12 Q. And expectations were high, correct?

13 A. Yes.

14 Q. You needed focus, right?

15 A. Yes.

16 Q. And commitment?

17 A. Yes.

18 Q. And a lot of studies to get to where you are today,  
19 correct?

20 A. Yes.

21 Q. And that's not only to get through the program, and then  
22 there was licensing -- then there was an ongoing program after  
23 that to become a vet, correct, after you received your MD?

24 A. Well, DVM, but yes.

25 Q. There were even additional courses relating to animals and

M526GIA2

Bowman - Cross

1 the effect of drugs on animals and treating animals, et cetera?

2 A. That was all incorporated into the veterinary program.

3 Q. Right. And you took all those, you took many of those  
4 courses, correct?

5 A. Yes.

6 Q. You took enough of those courses that you were able to  
7 graduate and then be licensed as a vet, correct?

8 A. Correct.

9 Q. That's approximately how many years ago?

10 A. It was in 1989.

11 Q. Since 1989 you've been dealing with -- you have been in  
12 your industry, meaning in the role of a veterinarian or in the  
13 role of a veterinarian in the FDA, correct?

14 A. Correct.

15 Q. And even through that time period, from 1989 to present,  
16 you have had a lot of ongoing continuing education, correct?

17 A. Yes.

18 Q. Both mandated by the agency?

19 A. And voluntary, yes.

20 Q. And also voluntary, correct?

21 A. Yes.

22 Q. And in addition, your work itself has educated you on an  
23 ongoing basis, correct?

24 A. Yes.

25 Q. And in fact, working for the FDA things, rules,

M526GIA2

Bowman - Cross

1 regulations, new drugs come out, changes -- changes often and  
2 causes you to do additional research and get up to speed with  
3 whatever the new trends may be, correct?

4 A. There is an amount of that, yes.

5 Q. And you've done all that, correct?

6 A. I've tried.

7 Q. Right. And within the context of your job in the FDA, you  
8 are a component of that job, you said the scientific analysis  
9 or scientific expert in the area, correct?

10 MS. MORTAZAVI: Objection. Vague.

11 THE COURT: Are you able to answer, Dr. Bowman?

12 A. We're called subject matter experts.

13 Q. Subject matter experts, correct? And that's in -- you're  
14 part of a whole group of people that you work with, correct?

15 A. Yes.

16 Q. Some are subject matter experts, right?

17 A. Yes.

18 Q. Then there are legal experts, correct?

19 A. Yes.

20 Q. And then there are investigatory experts, field experts?

21 A. Yes.

22 Q. And other titles for other people that work with you in  
23 your area, correct?

24 A. Yes.

25 Q. And you all work in this enforcement area, correct, that

M526GIA2

Bowman - Cross

1 you talked about earlier?

2 A. Maybe not all of us, but most of us, that you just  
3 described.

4 Q. There's a lot of cross -- sharing of cross information back  
5 and forth from different departments within the FDA when you're  
6 doing analysis, correct?

7 A. Depends on what kind of analysis you're referring to, not  
8 when we're doing the GRASE analysis. That is -- that's kind of  
9 all me. If I'm doing it, I don't consult with others.

10 Q. But there are specialists in regulatory language and  
11 regulatory interpretation, correct, within the agency?

12 A. Not that I know of, I guess, except for our lawyers.

13 Q. Your lawyers, for example, correct?

14 A. But they don't review my work.

15 Q. No, but they help to give direction as to how to interpret  
16 certain areas of the regulations; is that right?

17 MS. MORTAZAVI: Objection. Vague. To whom?

18 THE COURT: She can answer generally.

19 A. Sometimes.

20 Q. And on many -- on some occasions, you need to consult them,  
21 correct?

22 A. On some occasions they need to consult with us.

23 Q. That's true. The point is that it is a very complex system  
24 that's run at the FDA. Very organized and very complex,  
25 correct?

M526GIA2

Bowman - Cross

1 A. I don't think it's that complex. But, I mean, it does take  
2 a variety of scientific experts to get to the best answers.

3 Q. Right. And there's a variety of different divisions within  
4 the FDA, correct?

5 A. Yes.

6 Q. And everybody is working together to make sure that the  
7 rules are followed in the way that they are intended to be,  
8 correct?

9 A. That's the ideal.

10 Q. And you talked about one of the things you do is you notice  
11 companies, individuals, product manufacturers, of defects that  
12 may exist in the way they are interpreting the rules, correct?

13 A. Sometimes.

14 Q. Right. And sometimes a warning letter is sent, for  
15 example?

16 A. Yes.

17 Q. And in those letters, you try to resolve issues regarding  
18 labeling or regarding product usage or intended uses just like  
19 you talked about here today, correct?

20 A. And marketing, yes.

21 Q. And marketing, correct?

22 And some of those are informal procedures, right?

23 A. I think everything we described was pretty formal.

24 Q. Are there informal procedures as well?

25 A. I think the field staff may at times informally stop by a

M526GIA2

Bowman - Cross

1 facility and say, hey, you may not want to do that, but we're  
2 not part of that -- part of the process.

3 Q. And then there's a more formal process you're involved in,  
4 correct?

5 A. Correct.

6 Q. You talked about the different levels of that process,  
7 correct?

8 A. Yes.

9 Q. And it's your hope that you can resolve most of these with  
10 whoever it is that may be either misinterpreting or just  
11 violating a condition of the FDA or provision of the FDA  
12 regulations?

13 A. Correct.

14 Q. Is that fair to say?

15 A. That's fair to say.

16 Q. And during the -- during the course of this investigation,  
17 you spoke about a number of categories of product that you --  
18 that the FDA oversees, correct?

19 A. Yes.

20 Q. And one of it was the idea of an approved drug, correct?

21 A. Correct.

22 Q. And that would mean, if I'm -- if I'm right, that would  
23 mean that the FDA has evaluated it, and it is now on an  
24 approved list as indicated through the FDA, correct?

25 A. Not exactly. An approved drug has -- is sponsored by a

M526GIA2

Bowman - Cross

1 single company. It doesn't just land on a list for anyone to  
2 use. It's a very specific proprietary product owned by a  
3 specific company.

4 Q. And they have that ownership for a number of years before  
5 it becomes a generic drug; is that right?

6 A. Yes. Generics are a different issue. It depends on the  
7 drug when the original pioneer drug is approved. It is usually  
8 eligible for five to seven years of exclusivity, but even once  
9 it's eligible for a generic copy, that is still an approval  
10 process virtually the same as the original approval process  
11 with a few shortened sections.

12 Q. And we talked about the approval process, that it's a  
13 comprehensive process. Would that be fair to say?

14 A. Yes.

15 Q. That covers, I think you said, seven areas, correct.

16 A. Correct.

17 Q. Each area, there has to be submissions as to support, the  
18 viability of the drug and, matching the criteria with each of  
19 those seven areas; is that fair to say?

20 A. Yes, it is.

21 Q. That takes -- and within each of those areas, part of it is  
22 testing of the drug, correct?

23 A. Yes.

24 Q. There's clinical tests that are done on various drugs,  
25 correct?

M526GIA2

Bowman - Cross

1 A. Yes.

2 Q. And those are done by the manufacturers or by the founders  
3 or veterinarians that are helping to create the product?

4 A. Or the people they employ to do that testing.

5 Q. Right. And those tests then have to be submitted to the  
6 FDA before, in fact, the drug could ever be approved, right,  
7 and the results of those tests?

8 A. Yes.

9 Q. Let me rephrase.

10 As well as the results of those tests?

11 A. Yes.

12 Q. And you stated that it could run a few years or up to  
13 10 years; is that fair to say?

14 A. That's fair to say. I mean it can be shorter or longer.  
15 If it's a generic, it could be. Very short.

16 Q. After that process, the drug would be approved in the  
17 terminology that you just stated, correct?

18 A. I'm not saying it's absolutely necessary benchmarks for  
19 approval.

20 (Pause)

21 MR. FASULO: Let me just withdraw the last question.  
22 And, judge, I ask to strike the last answer. I'll ask another  
23 question because I don't remember the wording of the question.

24 Would it be fair to say that after the drug went  
25 through the process, it would either be approved or it would be



M526GIA2

Bowman - Cross

1 sent back for further testing or disapproved; is that fair to  
2 say?

3 A. We don't have a formal disapproval process, but it would  
4 either be approved or it would not.

5 Q. So, those are approved drugs, right? There's other  
6 categories of drugs that you look at. And when we say drugs,  
7 that's any product as used as you previously testified,  
8 correct?

9 A. Under the definition in the Federal Food and Cosmetic Act.

10 Q. Correct. And the second area is unapproved drugs, correct?

11 A. Well, as you alluded to, there's multiple areas, there's  
12 index listed drugs, there's conditionally approved drugs,  
13 there's generic approved drugs, there's pioneer approved drugs,  
14 and there are unapproved drugs.

15 Q. So there are all those areas that a drug could be sold but  
16 have those kind of -- those kind of labels put on it, correct?

17 A. I don't understand the question.

18 Q. You just named a bunch of areas where drugs would be  
19 considered approved under different labels, correct? Can you  
20 repeat that for us again?

21 A. That's not what I was talking about.

22 Q. But I'm asking you, under approved drugs can you give me  
23 the labels that would go with the approved drugs?

24 MS. MORTAZAVI: Objection. Vague.

25 THE COURT: Sustained.

M526GIA2

Bowman - Cross

1 Q. What did you mean by approved drugs.

2 A. When I refer to an approved drug, I mean a drug that is  
3 either an FDA approved pioneer drug, an FDA approved generic  
4 drug, or an FDA approved -- conditionally approved drug which  
5 is also in the process of getting its full approval.

6 Q. Other than those three categories of approved drugs, as you  
7 just stated, there's another level of drugs, which are  
8 unapproved drugs; is that fair to say?

9 A. That is fair to say.

10 Q. Can you define unapproved drugs as it relates to your role  
11 in the FDA?

12 A. Unapproved drugs are marketed animal drugs that lack FDA  
13 approval.

14 Q. Right. And would it be fair to say that within a vet's  
15 practice, a vet has the authority to prescribe both an approved  
16 drug as you stated and an unapproved drug?

17 A. A veterinarian under 21CFR530 should be prescribing an  
18 approved drug as long as there is one, an approved human or  
19 animal drug, that will work for the indication and the intended  
20 use. If there is no approved drug, then there are conditions  
21 under which it is possible to have drugs compounded, and those  
22 conditions are all laid out in 21CFR530.

23 Q. Correct. And if a veterinarian does not find an approved  
24 drug and has to compound a drug, it's within his discretion as  
25 a vet with his license to decide whether or not he believes

M526GIA2

Bowman - Cross

1 that drug is appropriate; is that fair to say?

2 A. He has to meet the conditions listed in 21CFR530, which  
3 include, among many other provisions, that the drug needs to be  
4 necessary to prevent death or suffering, and that there's no  
5 approved drug that can perform that function.

6 Q. And when you say prevents suffering, that's within the  
7 discretion of the veterinarian who is prescribing that drug,  
8 would that be fair to say?

9 A. Not entirely. I think there's a pretty good working  
10 definition of what is meant by animal suffering. I think -- I  
11 won't say that.

12 Q. Okay. But the FDA doesn't regulate that term of art; isn't  
13 that fair to say? That is done by a state-by-state basis under  
14 the licensing provisions of each state as it relates to  
15 veterinarians?

16 A. That law is a federal law, so that would be interpreted and  
17 enforced by federal enforcement.

18 Q. What is -- what is your understanding of the definition --  
19 your legal understanding of the definition of suffering -- of  
20 an animal suffering?

21 A. Well, I'm not a lawyer, but I know when an animal is  
22 suffering when it's unable to eat, it's in pain, especially  
23 chronic pain. Those are the kinds of things that we look for.  
24 There's behavioral markers for all of those that are well  
25 documented in the literature so you can document when an animal

M526GIA2

Bowman - Cross

1 is in pain, which is not always easy because it's not like they  
2 can tell us.

3 Q. And it's the job of the vet to make that determination; is  
4 that fair to say?

5 A. Within a valid veterinarian-client-patient relationship  
6 after performing a physical examination of the patient.

7 Q. And that also the veterinarian-client-patient relationship  
8 is also a regulation that the veterinarian has to follow; is  
9 that fair to say?

10 A. Yes, it is.

11 Q. And it's a regulation that's not only set out in the  
12 language of the FDA, but is regulated by state-by-state  
13 statute, correct?

14 A. It is in both places.

15 Q. Right. And each state has a different way of interpreting  
16 what actually is expected in the veterinarian-client-patient  
17 relationship; is that fair to say?

18 A. I think it's fair to say that most of them mirror what the  
19 AVM, the American Veterinarian Medical Association definition  
20 is, which is very close also to what the federal definition is.

21 Q. But it's up to the state to make that determination as it  
22 regulates the veterinaries -- the vets that are licensed within  
23 their individual states; is that fair to say?

24 A. Unless it comes up in a federal violation, in which case it  
25 becomes a federal concern.

M526GIA2

Bowman - Cross

1 Q. Correct.

2 THE COURT: So I want to instruct the jury.

3 Mr. Fasulo, you have a habit of saying "correct." I'm going to  
4 instruct you on the law. The fact that Mr. Fasulo says correct  
5 doesn't mean it's correct. All right?

6 Thank you.

7 MR. FASULO: Thank you, Judge.

8 I lost my train of thought for a second.

9 Q. You talk about 21CFR530, correct?

10 A. Yes, I do.

11 Q. And when you speak of 21CFR530, that is a section of the  
12 law that allows vets to compound certain drugs.

13 A. It allows veterinarians to compound drugs from approved  
14 human and animal drugs under the specific conditions laid out  
15 in 21CFR530.

16 Q. And that provision is specifically designated to instruct  
17 the vets as to what they can and cannot do?

18 A. That's one of the purposes.

19 Q. That is the purpose, correct?

20 A. That is one of the purposes.

21 Q. And it is the vet who is responsible for his own action --

22 MS. MORTAZAVI: Objection. Vague.

23 Q. -- as it relates to compounding?

24 If a vet decides to compound a product, it's the vet  
25 who's responsible for the actions of compounding that product?

M526GIA2

Bowman - Cross

1 A. I would need more information to answer that.

2 Q. Well, in compounding a drug under 21CFR530, a vet,  
3 hypothetically, can get two approved products and decide to use  
4 them together in a new product that's not available and use it  
5 on a case-by-case basis; would that be fair to say?

6 A. No.

7 Q. Well, tell me what compounding means to you, then.

8 A. When you're compounding under 21CFR530, if you're, it's  
9 a -- typically -- I'll use your example of the two different  
10 approved drugs.

11 If the two different approved drugs are available for  
12 your use and you want to use them together, you don't need to  
13 compound anything. You can just administer both drugs in  
14 accordance with their label and instructions. So compounding  
15 typically takes place more in the situation of animals come in  
16 a range of sizes, from a canary up to a hippopotamus, and the  
17 dosage forms that are approved typically don't come in a range  
18 that's suitable of all those weights and of all those animals.

19 Under the off-label use provisions, you can use a  
20 product that's an -- approved and intended for use in cattle  
21 for the canary, but the dosage form would be too concentrated,  
22 so it might be a fairly simple matter to dilute that to a  
23 concentration where you can dose the canary without killing it.

24 So those are the kinds of compounding activities.  
25 That's just one example of that would be allowed under

M526GIA2

Bowman - Cross

1 21CFR530.

2 Q. You talked about off label. Can you describe what that  
3 means?

4 A. So off-label use of an approved drug is any use that is  
5 different from the approved uses.

6 So the label says give 10 milligrams five times a day  
7 to a dog, and you have a cat with an issue you think would  
8 benefit from the active ingredient that's in this product but  
9 there's no approved cat drug, then you might choose to use that  
10 dog drug at the dose that's appropriate for a cat.

11 Q. When you say you might choose, who's the "you" that you're  
12 speaking about?

13 A. In that case, it would be the veterinarian making that  
14 decision.

15 Q. Okay. And the veterinarian would call upon their expertise  
16 and their experience in making that decision; is that fair to  
17 say?

18 A. They should look at references because we don't treat  
19 canaries, most of us, every day, so we would have to look that  
20 up and do some research before we made that kind of decision.

21 Q. Or use their experience if they are experienced in dealing  
22 with certain animals and the using of certain drugs; is that  
23 fair to say?

24 A. There should be a basis for that experience.

25 Q. Right. If they have a basis for it, they can use that

M526GIA2

Bowman - Cross

1 basis?

2 A. And that basis --

3 Q. Let me finish the question.

4 If they have that basis and the basis is something  
5 they can use to render that judgment of using that drug in that  
6 off-market way?

7 A. That would depend on what the basis is.

8 Q. All right. And when we're talking about basis, that would  
9 be the basis of the licensed vet, right?

10 A. No. The basis for the decision-making would have to come  
11 from someplace besides just a whim. So there would have to be  
12 some basis on which to have an expectation that that off-label  
13 use of the drug would actually be effective and safe for the  
14 condition that you've diagnosed after you've examined the  
15 patient and taken its history and done your diagnostics. There  
16 has to be a kind of sequential basis for the determination of  
17 the final treatment.

18 Q. That basis would be part of what the experience of that vet  
19 would be with the particular animals, with the particular drug,  
20 and with their particular research that they would do in regard  
21 to the prescription of that off-market drug; is that fair to  
22 say?

23 A. That sounds like a summary of what I just said. I think  
24 that's fair enough.

25 Q. Okay. Now, you talked about over-the-counter versus



M526GIA2

Bowman - Cross

1 prescription drugs. Do you remember your testimony regarding  
2 that?

3 A. Yes.

4 Q. And when you talk about over-the-counter drugs, those drugs  
5 would be readily available to the public without prescription?

6 A. Correct.

7 Q. And those drugs, would be available through various  
8 outlets; is that fair to say?

9 A. Yes.

10 Q. Through the manufacturers?

11 A. Not typically. But --

12 Q. Through feed stores?

13 THE COURT: Hold on. You're stepping on each other.

14 A. Typically, they'd be available through feed stores, tack  
15 stores, pet stores.

16 Q. Or through the vets?

17 A. Maybe on rare occasions. Most vets don't have the time or  
18 the money to invest in over-the-counter medications people can  
19 buy at the drugstore.

20 Q. But there's nothing that prohibits a vet from providing  
21 over-the-counter -- over-the-counter drugs to his clients; is  
22 that fair to say?

23 A. That is fair to say.

24 Q. And as far prescription drugs, are you familiar with the  
25 term herd management.

M526GIA2

Bowman - Cross

1 A. Yes.

2 Q. Can you describe to us what herd management is?

3 A. There are some situations -- for example, feed lots, and  
4 poultry farms -- where you're managing a group of animals in a  
5 closed setting as opposed to an individual animal.

6 Q. Are you aware of any setting where horses can be considered  
7 herd animals?

8 A. No.

9 Q. None?

10 A. Not within the confines of the drug world.

11 Q. So is it your testimony here today that any prescription to  
12 any horse requires the doctor to actually see that horse?

13 A. At some -- it may be not that day, but have had prior  
14 knowledge of that horse, have -- establish that  
15 veterinarian-client-patient relationship, yes.

16 Q. And when you say once a horse, who's the client, is -- the  
17 patient, once the horse is the patient, it becomes an existing  
18 patient; is that fair to say?

19 A. With limitations.

20 Q. As you know as a vet, would that be considered an existing  
21 patient if you were out there --

22 A. If I hadn't seen that patient for an extended period of  
23 time or the problem that I was being asked about was a new  
24 problem or didn't fall into the expectations of whatever old  
25 problems the horse had been treated for, then it would be a new

M526GIA2

Bowman - Cross

1 problem. And it could be a new patient, if it's been more than  
2 six months to a year, I would consider that a new patient  
3 again.

4 Q. But an existing patient could have the same problem for a  
5 number of years, but you're familiar with as the veterinarian,  
6 and you deal with that problem as an existing patient if you  
7 were a vet, correct?

8 A. I would --

9 Q. Let me rephrase.

10 A. Not over years.

11 Q. I'm going to withdraw that and rephrase the question.

12 THE COURT: I'm going to remind both out of,  
13 Dr. Bowman, you keep answering before Mr. Fasulo, and sometimes  
14 Mr. Fasulo, you're stepping on the answers. So both of you  
15 take a breath and let each other finish.

16 Thank you. Go ahead, Mr. Fasulo.

17 Q. There's a difference between new patient and existing  
18 patient?

19 A. Yes.

20 Q. You would agree that existing patient is a patient the vet  
21 had a relationship with, correct, prior to?

22 A. There's a time element in that. If the time element is not  
23 there, if you have not had an existing, ongoing relationship  
24 with that patient within a reasonable amount of time -- and  
25 there may be slight differences in different practice acts; we

M526GIA2

Bowman - Cross

1 haven't specified it that I'm aware of, in the federal law, but  
2 I know for most doctors' offices, it's a year. If you haven't  
3 been to see them in a year, you are considered a new patient  
4 again.

5 Q. And that's your understanding of most practices, correct?  
6 Is that what you're saying?

7 A. I think that would be a reasonable way to approach it for a  
8 practice.

9 Q. Is that also fair to say that is within the vet's  
10 discretion under his own license to make that determination?

11 A. No, I don't think it is. I think it's under the discretion  
12 of the practice acts for the states he's licensed in.

13 Q. So it's under the practice acts, and the vets consult the  
14 practice acts and then interpret what that practice act means  
15 in relationship to existing patients, and it's within their  
16 discretion to make the right judgment as to the art of those  
17 words?

18 A. Well, it's not just about the existing patient, it's about  
19 the existing problem.

20 Q. I'm only asking about existing patient.

21 A. Well, you can't just separate those. The existing  
22 patient --

23 MR. FASULO: Excuse me. Judge, she if can't answer --

24 MS. MORTAZAVI: She's trying to answer. She's telling  
25 you she doesn't believe you can answer it in isolation.

M526GIA2

Bowman - Cross

1 MR. FASULO: That's fine.

2 Q. So let me ask you: Would you agree the state regulations  
3 regulate what an existing patient relationship is?

4 THE COURT: That's a yes or no.

5 A. I think it depend on the state, not all states probably do.

6 Q. Would they give guidance as to what -- do you, as an expert  
7 here today, do you believe that the state statutes give  
8 guidance to the vets as to what an existing relationship is?

9 A. Most probably do.

10 Q. And therefore, would it be fair to say that you're not  
11 familiar with each of those state regulations?

12 A. Specifically regarding when a patient is a new patient  
13 versus an existing patient? No, I am not familiar with all 50  
14 states and how they do that.

15 Q. You would agree it's up to the vet in his capacity as a  
16 licensed veterinarian in that state to consult the state  
17 statutes?

18 A. It is. And it's important to note that the veterinarian  
19 needs to be licensed in every state in which they are  
20 practicing medicine. So every state in which they are  
21 dispensing drugs as part of their practice, they need to be  
22 licensed in that state.

23 Q. And when you say dispensing drugs, they need to be licensed  
24 in the states where the patient is actually located; would that  
25 be fair to say?

M526GIA2

Bowman - Cross

1 A. And the state in which they have their facility.

2 Q. Right. So if my facility is in Delaware, I need to be  
3 licensed in Delaware if I'm working out of a Delaware location?

4 A. But if your patients --

5 Q. My question is if I'm working at a Delaware location, do I  
6 need to be licensed in Delaware if my office is in Delaware?  
7 Yes or no.

8 THE COURT: No. No. She can finish her answer.  
9 Dr. Bowman, you can answer.

10 A. Okay. So you need to be licensed in the states in which  
11 the animals are being treated. So you might live in Delaware,  
12 your facility might be in Delaware, but you may be treating  
13 patients in Maryland, Pennsylvania, and New Jersey, in which  
14 case you need to be licensed in all of those states.

15 Q. Which is my next question.

16 You also need to be licensed in the states where the  
17 animals are actually being treated?

18 A. If you're treating them, yes, of course.

19 Q. But you don't need to be licensed in the states where the  
20 owners are located?

21 A. Not necessarily. Unless the owners are located in the same  
22 states as the horses.

23 Q. Right. So it's possible -- you do not need to be licensed  
24 in a state in which an owner exists if that's not where the  
25 horse is actually being treated?

M526GIA2

Bowman - Cross

1 A. Well, if you're actually treating the horse, wouldn't you  
2 dispense the medications while you were there?

3 THE COURT: Dr. Bowman, you just need to answer the  
4 question.

5 THE WITNESS: I don't understand that question.

6 Q. If I own a horse -- hypothetically, someone owns a horse  
7 and they live in New York, and the horse is located in Kentucky  
8 and the horse is treated in Kentucky, if the vet is treating  
9 the horse that's located in Kentucky, the vet must be admitted  
10 as a licensed vet in the state of Kentucky?

11 A. Correct.

12 Q. He does not need to be admitted in the State of New York?

13 A. Correct.

14 Q. Thank you.

15 MR. FASULO: Judge, I don't know what time you want to  
16 break.

17 THE COURT: 1:00 o'clock. Unless you know that's --

18 MR. FASULO: That's fine. I just wanted to have an  
19 idea of where I should go next based on that.

20 Q. Now, during your direct examination you talked about  
21 typically -- it's typically a prescription, do you remember  
22 using that term of art?

23 A. No, I don't. Can you give me context?

24 Q. For example, you said IV medications are typically  
25 prescribed medications. Do you remember testifying to that?

M526GIA2

Bowman - Cross

1 A. That sounds right.

2 Q. When you use the term "typically prescribed," what did you  
3 mean by that term?

4 A. I meant that in the modern era, all the drugs that are  
5 administered by IV injection will be prescription drugs. I'm  
6 sure that you can find a couple of old, old products that are  
7 still marketed that may be marketed with IV on the label that  
8 are not -- do not bear the prescription legend and are not  
9 approved.

10 Q. And once again, when you say not approved, does that mean  
11 the drug cannot be dispensed?

12 A. In the case of the drug that I'm thinking of, I think if we  
13 did a GRASE evaluation, we would find that that drug is  
14 generally recognized as safe and effective under the conditions  
15 of use on its label, which would mean it's not a new animal  
16 drug, it's just an animal drug, and it can continue to be  
17 marketed.

18 MR. FASULO: Judge, that was a yes-or-no. Your Honor,  
19 can I have the last question read back, please?

20 THE COURT: No. I think that's how she can answer it,  
21 Mr. Fasulo.

22 Q. You used the term "not approved" again. Yes?

23 A. I don't know. You can read the answer back, and I'll tell  
24 you.

25 Q. When you use the -- I'll withdraw that question.



1           When you use the term "not approved," does that mean  
2 the drug cannot be dispensed? Yes or no.

3 A. It depends.

4 Q. Would that be yes or no?

5           THE COURT: No, no. It depends means she can't answer  
6 yes or no.

7 Q. Well, let me ask you this: If a drug was not approved,  
8 would that drug not be permitted to be dispensed?

9 A. If a drug is not approved but is marketed illegally, it is  
10 being dispensed but that doesn't make it legal.

11 Q. You talked about nutritional supplements for horses. You  
12 indicated that there are no regulations regarding nutritional  
13 supplements in the current FDA regulations.

14 A. For nutritional supplements, correct.

15 Q. And you talked about homeopathic drugs.

16 A. Yes.

17 Q. And you said that there isn't a separate categorization for  
18 homeopathic drugs.

19 A. Homeopathic animal drugs.

20 Q. Is that right?

21 A. That is right. There is no special category.

22 Q. Would it be fair to say that without any other information,  
23 it's hard to determine whether a nutritional supplement or a  
24 homeopathic drug would be considered an over-the-counter drug  
25 or a prescribed drug?

M526GIA2

Bowman - Cross

1 MS. MORTAZAVI: Objection.

2 THE COURT: No. She can answer.

3 A. If you're able -- repeat that question.

4 MR. FASULO: Can I have it read back, please?

5 THE COURT: Yes. Would the court reporter please read  
6 it back?

7 (Record read)

8 MS. MORTAZAVI: Your Honor, I renew my objection on  
9 the basis of the witness' last answer.

10 THE COURT: Overruled.

11 A. So a nutritional supplement is either a food or drug. It's  
12 not a special category where it has qualities of both.  
13 Nutritional supplements are oral. They have nutritional  
14 components in them that provide taste, aroma, nutrition. So  
15 that's -- if they make drug claims for animals, then they're  
16 going to be regulated as an animal drug. If they make  
17 structure function claims and they have elements of nutritional  
18 benefit to the animal and sufficient quantity to provide actual  
19 nutrition and they are administered orally, then they could be  
20 considered a food with the structure function claim.

21 As far as knowing whether a drug should be marketed  
22 prescription or over-the-counter, by looking at the label, we  
23 can -- I can't think of a single example where we couldn't tell  
24 that. Because if it's going to be suitable for  
25 over-the-counter administration, it has to provide adequate

M526GIA2

Bowman - Cross

1 directions for use by the laymen.

2 Q. And that is what you've studied, and that is what you've  
3 done for a number of years to make those determinations in the  
4 FDA, correct?

5 A. That's part of what I do.

6 Q. All right. And it requires a certain expertise to do that;  
7 would that be fair to say?

8 A. It requires a knowledge of regulations.

9 Q. And is there an expertise in the area of science in order  
10 to do and make those determinations; is that fair to say?

11 A. It's really not challenging.

12 Q. Do the people that work with you have similar backgrounds  
13 to you in terms of expertise and experience?

14 A. Not all of them, no.

15 Q. Do they have a scientific background?

16 A. Some of them do.

17 Q. Do they have a background that has experience in the area  
18 of labeling as it relates to medications.

19 A. In our compliance area, very few people actually have that  
20 experience.

21 Q. I'm asking about your area specifically.

22 A. Well, I'm in the division of drug compliance now, so one  
23 team of our division has that kind of subject matter expertise,  
24 the other teams do not.

25 Q. That's what I'm saying. You need to have a subject matter

M526GIA2

Bowman - Cross

1 expertise to contribute in that division in the way that you  
2 operate and the job that you do; is that fair to say?

3 A. We have guidance documents that very clearly and easily  
4 provide a chart so that you can look at a drug label and tell  
5 what it needs.

6 Q. And in order to do that, you have to receive certain  
7 training from the FDA as to how to use those charts and what  
8 value those charts have in the analysis that are being done?

9 A. No. Those guidance documents are available publicly. If  
10 you Google it, they'll pop right up. And they are written to  
11 the level, I think, of a 7th grade education, so that you can  
12 very simply and easily tell what needs to be on the label for  
13 each type of drug and how to tell what each type of drug is.

14 Q. And would it be fair to say there's a number of drugs that  
15 are not properly labeled that you have looked at during the  
16 course of your employment, right?

17 A. Yes.

18 Q. And a number of those drugs are manufactured by major  
19 manufacturing companies that are approved?

20 A. No.

21 Q. None of them, never?

22 A. No.

23 Q. Okay. And in terms of the ingredients that be listed, you  
24 have dealt with the issue of what ingredients need to be on the  
25 label and what don't, right?

M526GIA2

Bowman - Cross

1 A. Yes.

2 Q. And your division sends out a number of warning labels  
3 every year -- warning letters. I'm sorry. Every year.

4 A. We do.

5 Q. And some of those letters are sent to companies that have a  
6 history of doing the right thing all the time, and some are  
7 sent to companies that don't have that same history; would that  
8 be fair to say?

9 MS. MORTAZAVI: Objection. Vague.

10 THE COURT: Overruled.

11 A. They are sent to all kinds of companies.

12 Q. Right. And at times, a company makes a judgment error and  
13 needs to correct a label or needs to correct an ingredient list  
14 in order to comply with your regulations?

15 A. Yes.

16 Q. And at times, they do that and then they are in full  
17 compliance?

18 A. Yes.

19 THE COURT: All right. Mr. Fasulo, where is a good  
20 break point? If you're on a topic, you can finish. That's  
21 fine.

22 MR. FASULO: You know, Judge. This is a good point,  
23 and I can go on to the transcripts.

24 THE COURT: That's fine, then.

25 All right. Ladies and gentlemen, let's take our lunch

M526GIA2

Bowman - Cross

1 break. If we can be back in 45 minutes, that would be great.  
2 Please leave your notepads and the binders on the chairs, and  
3 do not discuss the substance of the case.

4 Dr. Bowman, please wait. Please be seated.

5 THE WITNESS: Oh, I was just standing.

6 THE COURT: Please do not discuss the case, the  
7 testimony, or anything related to the subject matters during  
8 your break. All right? Thank you very much.

M526GIA2

Bowman - Cross

1 (Jury not present)

2 THE COURT: All right. Please be seated, everyone.

3 Dr. Bowman, you remain under oath. I hope you have a  
4 pleasant lunch break, and we'll see you back after the break.

5 Okay. You may step down. Thank you.

6 THE WITNESS: Thank you.

7 THE COURT: Some of our jurors are exiting, so it's  
8 not appropriate for you to leave yet, Dr. Bowman.

9 Okay.

10 (Witness steps down)

11 THE COURT: All right. Is there anything we need to  
12 talk about?

13 MS. MORTAZAVI: Not from the government.

14 MR. FASULO: Not from the defense.

15 THE COURT: Okay. Great. Have a good lunch. I'll  
16 see you at about 1:45.

17 (Luncheon recess)

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M526GIA2

## AFTERNOON SESSION

1:50 p.m.

(Trial resumed; jury not present)

THE COURT: Good afternoon, everybody. Please be  
seated.

Is our jury ready?

DEPUTY CLERK: Yes, your Honor.

THE COURT: All right. Will someone retrieve  
Dr. Bowman while we're getting seated?



M526GIA2

Bowman - Cross

1 (Jury present)

2 THE COURT: Good afternoon, Dr. Bowman.

3 THE WITNESS: Good afternoon.

4 All right. I hope you had a pleasant break and that  
5 our jurors did as well.

6 Mr. Fasulo, whenever you're ready.

7 MR. FASULO: If I may, your Honor. Thank you.

8 I'd like, if I can, to ask the government's assistant,  
9 I'd like to look at 1609AT again.

10 THE COURT: Do you want the jurors to retrieve their  
11 binders?

12 MR. FASULO: Yes.

13 THE COURT: So this is the transcript you looked at  
14 earlier. If you would all please pull your binders out or look  
15 on the screen.

16 MR. FASULO: And if I could have the first page,  
17 please? Sorry.

18 BY MR. FASULO:

19 Q. This is a transcript of April 30, 2019, between  
20 Lisa Giannelli and Norman Morford.

21 Would it be fair -- doctor, you don't know who  
22 Norman Morford is?

23 A. No, I don't.

24 MR. FASULO: Can we now look at the transcript,  
25 please, page 1.

M526GIA2

Bowman - Cross

1 Q. Do you remember looking at this transcript and hearing it  
2 played to you during your direct examination?

3 A. Yes, I do.

4 Q. And do you remember a statement that you made regarding  
5 this transcript regarding whether or not it established the  
6 VCPR relationship?

7 A. Not specifically. But I believe I probably did say that.

8 Q. And would it be fair to say -- and the government said in  
9 their question to you -- that if a vet was part of this  
10 conversation, it would have a different import to you, correct?

11 A. Possibly.

12 Q. Right. And is it also fair to say that this is a small  
13 transcript -- small snippet of a full transcript as far as you  
14 know?

15 A. As far as I know, I just know what I am shown.

16 Q. Right. And you don't know whether or not this Norman --

17 MR. FASULO: Go back to the first page again.

18 Q. Whether or not Norman Morford had any other conversations  
19 with the vet, Dr. Fishman, do you?

20 A. I don't.

21 Q. And you don't know what the relationship he had with the  
22 animals that Norman Moford was ordering these materials for?

23 A. I don't, but they don't --

24 Q. Do you or do you not?

25 THE COURT: That is a yes or no, Dr. Bowman. Do you

M526GIA2

Bowman - Cross

1 know what the relationship --

2 Q. Between Dr. Fishman and Norman Moford or his patients, his  
3 horses were, you don't know that relationship --

4 A. No, I don't.

5 Q. You don't know if it was an existing relationship?

6 A. No, I don't.

7 Q. And you don't know what information Moford would have given  
8 to Fishman before he made this call, if any? You don't know  
9 that?

10 A. I don't.

11 Q. And all of those things would have to be considerations  
12 before you would be able to say whether there was a VCPR  
13 relationship between Dr. Fishman and the horse that  
14 Norman Morford was ordering for.

15 A. I think there are certain pieces of information that would  
16 have to be included in this call in order to document that  
17 there was a VCPR, including the names of the patients and  
18 reference to a conversation with Dr. Fishman, because I don't  
19 know how the person selling the drugs would know that he had  
20 given his okay unless she was told that from the owner or she  
21 asked for that information.

22 Q. Or if she was told that from the vet?

23 A. That seems unlikely to me.

24 Q. I'm not asking you whether it seems unlikely. My question  
25 is you don't have the basis to make that judgment; is that fair

M526GIA2

Bowman - Cross

1 to say?

2 MS. MORTAZAVI: Objection.

3 A. The information I can see in this --

4 THE COURT: Overruled.

5 From what's on this transcript, do you have the  
6 information you need to make that determination? You can  
7 answer that.

8 THE WITNESS: My personal determination would be this  
9 fails to meet the VCPR.

10 Q. If you were hypothetically to find out there was a  
11 conversation and an examination of the animal that  
12 Norman Moford had by the doctor before this conversation took  
13 place, would that be a consideration in your determination?

14 THE COURT: Is this a hypothetical question?

15 MR. FASULO: Yes. That's a hypothetical.

16 A. It could be.

17 Q. And if, in fact, hypothetically there was a phone call  
18 between Dr. Fishman and Lisa Giannelli regarding this upcoming  
19 call from a Norman Morford describing what the call would be  
20 about and what Mr. Morford would want, that would be another  
21 consideration that would go into your determination that there  
22 was or was not a VCPR relationship?

23 A. It could.

24 Q. So without that information, you're not able to make a  
25 judgment right here as whether or not there was a VCPR

M526GIA2

Bowman - Cross

1 relationship between the doctor and this particular client, or  
2 his horses?

3 MS. MORTAZAVI: Objection. Asked and answered.

4 THE COURT: Overruled.

5 A. I'm sure that there could exist other information --

6 MR. FASULO: Judge, I asked for a yes-or-no.

7 A. -- would lead me to come to a different conclusion. I can  
8 only base it on what I know.

9 Q. Very well. Thank you.

10 MR. FASULO: I'd like to go to transcript number 182.  
11 This is a phone call, intercepted line, on 4/27/2019 between  
12 Lisa Giannelli and Timothy Collins.

13 Q. Can we go over -- Doctor, you also looked at this  
14 conversation, correct?

15 A. I did.

16 Q. And without having any other context, without knowing  
17 anything else about this conversation -- let me withdraw that  
18 question.

19 And, doctor, you don't know if there were other  
20 conversations between Tim Collins and Dr. Fishman before this  
21 conversation, do you?

22 A. No, I don't.

23 Q. Do you know if Tim Collins' horse was ever evaluated by  
24 Dr. Fishman?

25 A. From the information presented today, I don't know.

M526GIA2

Bowman - Cross

1 Q. And do you know whether or not there was actually a  
2 relationship between Tim Collins' horse and Dr. Fishman under  
3 the VCPR?

4 A. No, I don't. And I also don't know if there's relationship  
5 between Lisa Giannelli and Dr. Fishman.

6 Q. Thank you.

7 Next, I'd like you to look at 185.

8 Doctor, I direct your attention to the screen. This  
9 is Government Exhibit 185T, a conversation between  
10 Lisa Giannelli and an unknown female.

11 MR. FASULO: Can we turn to the first page, please?

12 Q. Take a moment to reflect your recollection about this  
13 conversation. Do you know who Nancy Hargis is?

14 A. No, I don't.

15 Q. Do you know if she's a vet or not a vet?

16 A. No, I don't.

17 Q. And do you know whether or not Nancy Hargis had had any  
18 conversations with Dr. Fishman about her horse or needs of her  
19 horse prior to her conversation with Lisa Giannelli?

20 A. I don't even know if she knows Dr. Fishman.

21 Q. Do you know whether Lisa Giannelli had any conversations  
22 with Dr. Fishman before she sent out the order?

23 A. I don't.

24 Q. Okay. And would you agree that all those factors would be  
25 factors that need to be considered in determining whether

M526GIA2

Bowman - Cross

1 there's a valid VCPD relationship?

2 A. If they are available.

3 Q. If they happened?

4 A. Yeah. Yeah, if they happened.

5 Q. Thank you.

6 Transcript number 171. Again, this is a May 1st,  
7 2019, conversation between -- transcript between Lisa Giannelli  
8 and Tyler Buter. Take a look at this transcript, Doctor.

9 And just once again, briefly, it's fair to say that  
10 you don't know what transpired before this snippet of a  
11 conversation, correct?

12 A. No. I have no way of knowing what happened before.

13 Q. And you don't know whether Tyler Buter had a conversation  
14 or had an existing relationship with Dr. Fishman?

15 A. There's no mention of Dr. Fishman in this.

16 Q. So you don't know that?

17 A. I don't know either way.

18 Q. And you don't know -- and this is a portion of that  
19 conversation, correct, as far as you know?

20 A. As far as I know.

21 MR. FASULO: And that's it for this. Go to 127B.

22 Q. This is the transcript, 127B. The date is 4/4/2019 between  
23 Seth Fishman and Nick Devita.

24 Do you remember seeing this transcript before?

25 A. Yes, I do.

M526GIA2

Bowman - Cross

1 Q. And, again, you don't know who Nick Devita is?

2 A. No, I don't.

3 Q. And Seth Fishman, you have learned is a veterinarian,  
4 correct?

5 A. Yes. He is a veterinarian as far as I know.

6 Q. And this is a conversation between the vet and this person  
7 named Nick Devita. In this conversation, is it fair to say  
8 that the doctor is talking about what the potential use of the  
9 bleeder could be if I draw your attention to line 8?

10 A. Yes.

11 Q. And is it clear from this conversation that Dr. Fishman was  
12 also telling -- let me read on number 10, Fishman says: It's  
13 using much newer, more let's just blood bioengineered amino  
14 acids, correct?

15 A. Blood is not in there. But, yes, that's what it says.

16 Q. I'm sorry. Bioengineered amino acids.

17 A. That's what he says.

18 Q. You would agree with me that this is alone a part of a  
19 conversation; this is all you saw when you testified, correct?

20 A. Correct.

21 Q. And you don't know what the conversation was before this or  
22 after this relating to what was discussed in this conversation,  
23 correct?

24 A. That is true.

25 Q. And you don't know whether the animal that Mr. Devita may



M526GIA2

Bowman - Cross

1 have had was or was not an existing patient or existing patient  
2 under Dr. Fishman's care; do you know that?

3 A. Not from this conversation.

4 Q. I'd like to go to 1605AT. It is a conversation between  
5 Lisa Giannelli and Joshua Parker dated April 25, 2019.

6 MR. FASULO: You can go to the next page.

7 Q. Do you remember being shown this conversation during your  
8 direct examination?

9 A. Yes.

10 Q. And at this point, I think earlier you stated you don't  
11 know if Lisa Giannelli worked for Dr. Fishman. If you look at  
12 line six, can you read that line?

13 A. In this conversation, she says she still works for  
14 Dr. Fishman.

15 MR. FASULO: Okay. And can I have the whole -- thank  
16 you for that.

17 Q. And, in fact, if you read line 11, this indicated to you  
18 that Dr. Fishman didn't answer and I sent him a text message  
19 and he still hadn't responded. Is that what line 11 says?

20 A. That's what it says.

21 Q. Do you know whether JP ever made contact with Dr. Fishman  
22 or if Lisa Giannelli made contact with Dr. Fishman before she  
23 dispensed or sent these items to JP?

24 A. I don't know whether she tried or didn't try or -- no, I  
25 don't.

M526GIA2

Bowman - Cross

1 Q. And would the fact that Fishman -- would it affect your  
2 opinion that you gave in court about the VCPR relationship --  
3 would it affect your opinion if you were to find out that there  
4 were conversations or knowledge or examinations done by  
5 Dr. Fishman before these items were sent out?

6 THE COURT: Are you asking hypothetically or --

7 MR. FASULO: Hypothetically, Judge.

8 A. Well, if there were examinations carried out and diagnoses  
9 made that would affect my determination. I don't believe  
10 that's the case based on information.

11 Q. Well, the information you have is only the transcript; is  
12 that right?

13 A. Presented here today.

14 Q. You don't have any reason -- you don't have any other  
15 information to guide you on that; is that correct?

16 A. Can I make reference to anything in the past?

17 THE COURT: If you have other information, that's the  
18 question. So you can answer.

19 Q. Specifically related to this conversation and this  
20 transaction?

21 A. Not this specific transaction.

22 Q. Well, that's what we're talking about, aren't we --

23 A. No, we're talking about VCPRs with Dr. Fishman and his  
24 patients.

25 Q. No, I was talking about specifically about VCPR

M526GIA2

Bowman - Cross

1 relationship between Dr. Fishman and JP, who's labeled in this  
2 conversation. And do you have information regarding that  
3 relationship that affects your opinion here today specifically  
4 about that relationship.

5 A. The information that I have is that Dr. Fishman didn't have  
6 a valid veterinarian-client-patient relationship with any of  
7 the horses for which he was prescribing drugs.

8 Q. But you don't know that from any of the facts as it relates  
9 to this particular individual, isn't that fair to say?

10 A. No.

11 Q. You don't know if he ever went to the farm where this horse  
12 was; do you know that?

13 A. The information I have would --

14 THE COURT: Let her finish.

15 MR. FASULO: I object to the answer. She can only  
16 base her answer on what information she actually knows.

17 THE COURT: That is correct. That is correct,  
18 Dr. Bowman. But you can answer based on what you actually  
19 know.

20 THE WITNESS: Your Honor --

21 THE COURT: Not what you have been told by someone  
22 else.

23 MS. MORTAZAVI: Could we have a sidebar on this point  
24 in particular?

25 THE COURT: Sure.

M526GIA2

Bowman - Cross

1 MS. MORTAZAVI: Thank you, your Honor.

2 (Continued on next page)

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1 (At the sidebar)

2 MS. MORTAZAVI: Your Honor, my issue with how this  
3 question is being phrased -- it's not specific as to what types  
4 of information Mr. Fasulo is trying to elicit. We've obviously  
5 had conversations about this case with this witness, and so she  
6 knows information, it is just information that I've transmitted  
7 to her. It's not materials that Mr. Fasulo is referencing  
8 which are sitting in on in-person meetings or transcripts or  
9 e-mails or whatever else he might be referring to.

10 THE COURT: I understand that. But the problem is she  
11 can only testify to what she personally knows, or you get an  
12 opportunity to -- hold on -- to redirect you can ask about  
13 information that she relied upon or what was made available to  
14 you or what she might have known.

15 Having said that, Mr. Fasulo, I keep asking, is it  
16 hypothetical?

17 MR. FASULO: It is. I keep saying yes.

18 THE COURT: I know that, but I shouldn't have to keep  
19 asking it. I just don't want the record -- I know you wouldn't  
20 do it intentionally, but I don't want the record to  
21 misrepresent or create an impression on something that you know  
22 to be contrary to the facts.

23 MR. FASULO: Correct, Judge. That's why I'm saying  
24 it's hypothetical.

25 THE COURT: That's what I'm saying.

M526GIA2

Bowman - Cross

1 MR. FASULO: I'm sorry.

2 MS. MORTAZAVI: Your Honor, so my request would be  
3 Mr. Fasulo just punctuate his question because --

4 THE COURT: What do you mean by punctuate?

5 MS. MORTAZAVI: I think clarify his question because I  
6 think this witness is just getting confused.

7 THE COURT: I think she's holding her own.

8 MS. MORTAZAVI: Okay. All right.

9 THE COURT: Ms. Mortazavi, you can object if you have  
10 an objection.

11 (Continued on next page)

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1 (In open court)

2 MR. FASULO: If I may, your Honor?

3 BY MR. FASULO:

4 Q. Let me ask again, hypothetically, if there was an ongoing  
5 relationship between Dr. Fishman and the animal that JP  
6 represented, and that ongoing relationship included Dr. Fishman  
7 having a relationship with the horse, understanding the horse,  
8 and doing what a vet does, would that affect your judgment as  
9 to whether or not it was a VCPR relationship?

10 A. Yes, it would. But that is hypothetical.

11 Q. That is hypothetical.

12 THE COURT: That's what the question said.

13 Q. That's what I asked.

14 A. Yes.

15 Q. Thank you.

16 Now, let me ask you specifically about some of the  
17 exhibits that you looked at during your direct examination of  
18 other exhibits that are in evidence here today.

19 MR. FASULO: First of all, I'd like the government, if  
20 I may ask again, if you can publish Government Exhibit 5007.  
21 And if we can zoom many on the second row of that exhibit. Can  
22 we get a little bit closer on that? Is it possible? Thank  
23 you.

24 Q. Now, doctor, during your direct examination, you talked  
25 about a number of different products; do you remember that?

M526GIA2

Bowman - Cross

1 A. Yeah.

2 Q. Are you familiar with the product that's all the way on the  
3 left? I'm sorry. Let me just get rid of that. One second.

4 I'd like to direct your attention to that product.

5 Can you read the name of that product?

6 A. It looks like it's Flunixamine.

7 Q. What's Flunixamine?

8 A. Well, the active ingredient Flunixamine is flunixin  
9 meglumine, the same as Banamine. I can't see that label well  
10 enough, and I haven't memorized the brand names for every  
11 approved flunixin meglumine, so I can't tell you if that's an  
12 approved product or an unapproved product.

13 Q. So you can't tell us that right now?

14 A. From that picture, I can't.

15 MR. FASULO: Can we get it a little bigger?

16 A. It's so blurry when it's blown up.

17 Q. We don't have it in the courtroom, so I'm doing the best  
18 with the picture that we have.

19 Would you agree, at least, that Flunixamine -- there  
20 is an approved product of Flunixamine on the market?

21 A. As I just said, I can't tell if that's the approved  
22 product. There are approved products with that active  
23 ingredient, but it's so blurry, I can't read it.

24 MR. FASULO: If we can go back to the bigger picture.

25 Q. I'd like to draw your attention now to -- here we go.



M526GIA2

Bowman - Cross

1 THE COURT: Are you still on the same shelf or were  
2 you trying to move down a shelf?

3 MR. FASULO: This is where I wanted to go, Judge. If  
4 we can make this a little bit bigger, that would be great.

5 Q. Can you see the name of the product, at least here, that  
6 I'm marking with the blue line?

7 A. The shelf label reads Tridex.

8 Q. What is Tridex?

9 A. I do not know.

10 MR. FASULO: Can we go to the bigger picture again and  
11 go to the next shelf? Thank you.

12 Even with my eyes it's hard to see. If we can zone in  
13 on that a little bit and see if it comes out?

14 Q. Can you see the name of that product?

15 A. Yes. It's Agrimycin 200.

16 Q. Are you familiar with that product?

17 A. I am.

18 Q. Are you familiar with this lab that's labeled underneath?

19 A. AgriLabs, yes.

20 Q. What is AgriLabs?

21 A. It's an approved sponsor of multiple new animal drugs.

22 Q. What is Agrimycin?

23 A. Agrimycin is a formulation of oxytetracycline,  
24 200 milligrams per mil.

25 Q. Are you able to determine whether this is an approved

M526GIA2

Bowman - Cross

1 product or not an approved product?

2 A. It is an approved product. I can't -- it's so blurry, I  
3 can't tell you that, but I'm pretty sure that at the very top  
4 it says NAD-something.

5 THE COURT: Is it easier to read if we make it less  
6 large?

7 THE WITNESS: Maybe. You're blowing it up so big.

8 MR. FASULO: I'm going to go to the next shelf, your  
9 Honor. Thank you.

10 Q. I'm going to ask you to look at this product I'm circling  
11 right here, these two products.

12 A. Okay.

13 Q. And I apologize about the visual. We don't have the  
14 product here in the court for various reasons. It's the  
15 easiest way to show it to you.

16 Can you see the name of that product?

17 A. Yes, it's Adequan.

18 Q. Are you familiar with that product?

19 A. I am.

20 Q. Is that an approved product?

21 A. Yes, it is.

22 Q. The one next to it, can you see that product.

23 A. That's another version of Adequan.

24 Q. Is that an approved product?

25 A. Yes, it is.

M526GIA2

Bowman - Cross

1 MR. FASULO: If we can go to the big screen, please,  
2 if we can go to the lowest level?

3 Q. I'd like to draw our attention to this product right here.  
4 Can you read the name of the manufacturer of this product?

5 A. Yeah. This is Henry Schein.

6 Q. What is Henry Schein? Who is Henry Schein?

7 A. It's a veterinary distributor company.

8 Q. Is it on the approved list from the FDA?

9 A. Henry Schein?

10 Q. Yes.

11 A. They're a registered company, if that's what you mean.

12 Q. Right. And are they -- on this, do you see the product  
13 name here?

14 A. Yeah. Thyroxine.

15 Q. Are you familiar with that product?

16 A. I am.

17 Q. Is that an approved product from the FDA?

18 A. No, it isn't.

19 Q. What about this product have you indicated makes it not an  
20 approved product by the FDA?

21 A. Well, I can't read the label because it's too blurry, but  
22 I'm familiar with that product, and it's not an approved  
23 product.

24 Q. And on this product, you see that it's produced by this --  
25 or distributed by this manufacturer, correct?

M526GIA2

Bowman - Cross

1 A. Yes.

2 Q. And if a doctor wants to describe this product, is it  
3 permissible for the vet to prescribe this product even though  
4 it's not approved?

5 A. Yes.

6 Q. And is it permissible for Henry Schein to distribute this  
7 product to a vet to be distributed within the vet's discretion  
8 under the guidance of state and federal statute to animals?

9 A. Well, under the state statutes, it may vary state to state.  
10 We have given this product -- this specific product enforcement  
11 discretion for marketing because it's considered medically  
12 necessary in the treatment of horses with hypothyroidism. So  
13 until there's an approved version for administration to horses,  
14 we're allowing the distribution of the unapproved product.

15 Q. That's something a veterinarian needs to know before they  
16 prescribe this or dispense this product; is that correct?

17 A. Not really.

18 Q. Well, if it was not conditionally approved, as you just  
19 stated -- Let me rephrase the question. I misstated.

20 Since it's an unapproved product, which you're  
21 allowing vets to dispense, it's important for the vets to know  
22 that you are allowing them to dispense it under certain  
23 circumstances; would you say that's important to know?

24 A. No. Because there's no alternative.

25 Q. Right. But there's nothing that the FDA does that would

M526GIA2

Bowman - Cross

1 prohibit a vet from dispensing this product under the right  
2 conditions; is that fair to say?

3 A. The FDA doesn't object to a veterinarian dispensing this  
4 product under the appropriate conditions.

5 Q. But it is labeled as an unapproved product, right?

6 A. It is an unapproved new animal drug.

7 Q. Now, I'd like to now --

8 MR. FASULO: That's fine with this particular line.

9 I'd like to go to Government Exhibit 5014, also, that's been  
10 entered into evidence.

11 Q. And you see again -- do you see the product again here  
12 that's circled in blue?

13 A. Yeah, the Banamine, or the one next to it?

14 Q. I meant just the Banamine.

15 A. Yes.

16 Q. Are you familiar with that product?

17 A. Yes.

18 Q. Are you familiar with the manufacturer of that product?

19 A. Merck, yes.

20 Q. Is this product approved by the FDA?

21 A. Yes, it is. And if you look at the box --

22 THE COURT: You've answered the question.

23 A. It's right there.

24 Q. And you stated earlier in looking at specifically -- and it  
25 says on this product it's FDA approved. Is that what you were

M526GIA2

Bowman - Cross

1 going to say -- it's within the vet's discretion to prescribe  
2 this product as necessary?

3 A. Yes.

4 Q. Okay. I want you to look at Government Exhibit 5011. I'd  
5 like to draw your attention as best we can to this product we  
6 circled.

7 Now, doctor you talked about labels during your direct  
8 examination; do you remember that?

9 A. Yes.

10 Q. Do you see a label on this product, right?

11 A. Some of a label.

12 Q. Some of a label, correct. And you see that there's an --  
13 well, there was one label that is here and here, which seems to  
14 go around the bottle, right?

15 A. Yes.

16 Q. And there's another label here, correct?

17 A. Yes.

18 Q. And when you were looking at the sample labels that were  
19 displayed to you, those were on a flat sheet of paper, some of  
20 those were on a bottle, correct? Do you remember seeing those?

21 A. Some were; some weren't.

22 Q. Do you remember seeing the ones on a bottle?

23 A. Yes.

24 Q. And, additionally, to those types of labels, there's  
25 another label here, correct?

M526GIA2

Bowman - Cross

1 A. Yes, there is.

2 Q. Are you able to make out the contents of that label?

3 A. Not much of it. Some of it.

4 Q. Okay. And can you tell me what purpose this part of -- let  
5 me just do this. Do this.

6 MR. FASULO: And if we can highlight that, that would  
7 be great. I don't know if it's going to get blurry. Hopefully  
8 not.

9 Q. In terms of the labeling -- necessity of the labeling  
10 process, pursuant to the FDA, what ingredients does this label  
11 have that comply with the labeling process of the FDA.

12 A. I can't see enough of this label to say.

13 Q. Does it have the name of a physician who has prescribed  
14 this medication?

15 A. There's more than one type of label.

16 MR. FASULO: Excuse me, judge. My questions was --

17 THE COURT: You need to answer the question that was  
18 asked, Doctor. Does it have the name of the veterinarian who  
19 prescribed it? It says physician who's prescribed this  
20 medication.

21 THE WITNESS: Yes.

22 Q. Does it have a prescription number?

23 A. Yes, it does.

24 Q. Does it have a quantity?

25 A. Yes.

M526GIA2

Bowman - Cross

1 Q. Does it list the active ingredients as well as the -- does  
2 it list the API ingredients?

3 A. It lists some API ingredients. I can't read all of it, and  
4 I don't know if that's everything.

5 Q. Okay. And you would have to do a further GRASE analysis to  
6 figure that out?

7 A. I need to be able to figure out all of both labels.

8 Q. Before you said that, in terms of that part of the label,  
9 my question is in terms of that part of the label, the active  
10 ingredients and -- the active ingredients, that's something  
11 that you learned during the time that you've become a doctor  
12 and become a representative at the FDA, correct?

13 A. Yeah. It's something I've learned.

14 Q. It's not something a seven-year-old knows, right?

15 A. Correct.

16 Q. Okay. And that's part of the labeling process you  
17 evaluated, correct? The ingredients?

18 A. Yes.

19 Q. So when you said a seven-year-old can figure out what a  
20 label should look like --

21 A. I never said that.

22 Q. Oh, okay. So you would agree that you need to have a  
23 certain expertise to make a determination whether or not a  
24 label is in compliance or not compliant with the FDA rules and  
25 regulations?



M526GIA2

Bowman - Cross

1 A. You can look at our guidance documents and trace what's  
2 required on each label.

3 Q. But as to the specificity of the needs of the label, you  
4 would need to have a certain expertise, specifically, as it  
5 goes to the listing of the ingredients of the product?

6 A. Or you could call us and ask.

7 Q. But eventually, you wouldn't know that unless you had a  
8 basis to understand the chemistry that went into these  
9 ingredients; wouldn't that be fair to say?

10 A. No.

11 Q. Hypothetically, if an individual looked at this label,  
12 would they be able to determine what API and what ingredients  
13 needed to be listed on this product without any other basis for  
14 making that determination?

15 A. I believe they would make that determination based on other  
16 labels that they've seen.

17 Q. Right. But in terms of the specific milligrams, the  
18 specific chemical compounds that are put into this label, you  
19 would need to have some scientific basis to understand what's  
20 being said here?

21 A. I disagree.

22 Q. Well, for example, this word -- tell me what that word is.

23 A. Triphosphate.

24 Q. Triphosphate. You would need to know what triphosphate was  
25 and what its intended use was when you were labeling this

M526GIA2

Bowman - Cross

1 product; wouldn't you?

2 A. Well, no, not really. You would need just --

3 THE COURT: You've answered, Doctor. You said no.

4 Q. So, Doctor, is it your testimony --

5 MR. FASULO: Withdrawn, judge.

6 Q. Let's look -- let me go to the bottom line here.

7 Would you agree that this is one of the requirements  
8 in the labeling process of medication -- prescription  
9 medication, the last line there?

10 A. It is.

11 Q. And would that be necessary for this particular medication?

12 A. Yes. I think it would be. But, again, I can't read the  
13 whole label, so it's hard to draw conclusions.

14 Q. I'm just asking about this -- that part.

15 A. Well, I need to know what else is in the product in order  
16 to say whether that's required.

17 Q. And once you would know what else is in the product you'd  
18 have to look at those ingredients, compare them to what type of  
19 ingredients they were, and then make that determination, right?

20 A. And look at the intended use, the directions for  
21 administration, and the indications.

22 Q. And all of which you have been trained to do, correct?

23 A. Anyone who reads labels knows those things.

24 Q. Okay. Thank you.

25 I'd like to go to one more exhibit, if I may. I'd

M526GIA2

Bowman - Cross

1 like to go to Government Exhibit number 5012. I'd like to  
2 focus your attention on -- what happened here? One second.

3 Can you see this label?

4 A. Yes.

5 Q. Do you see a prescription number on this particular item?

6 A. Yes, I do.

7 Q. And do you see also the name of the physician?

8 A. The veterinarian, yes.

9 (Continued on next page)

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M52BGIA3

Bowman - Cross

1 BY MR. FASULO:

2 Q. Do you also see the name of the patient that this  
3 medication was going to go to?

4 A. Yes.

5 Q. And do you also see this -- can you also see this warning  
6 right here?

7 A. I don't think that qualifies as a warning, but I see the  
8 statement you're referring to.

9 Q. And what is the purpose of that statement from the FDA's  
10 perspective?

11 A. I don't think the FDA has a perspective on that particular  
12 statement. That may be something that the pharmacy board  
13 requires.

14 Q. Underneath that, you see this, correct?

15 A. Yes, I see that.

16 Q. And that is an expiration date, right?

17 A. Yes, it is.

18 Q. And above the expiration date there is a term N-butyl  
19 alcohol, 21 percent?

20 A. Yes.

21 Q. What is that?

22 A. It's a type of alcohol.

23 Q. And what's the purpose of that particular drug?

24 What's the purpose of that ingredient?

25 A. That probably is -- that is the drug and N-butyl alcohol 21

M52BGIA3

Bowman - Cross

1 percent and they're probably using that as a diluent for  
2 certain other drugs. I couldn't tell you what they're using it  
3 for.

4 Q. And you also see here there's INJ. You see that. Does that  
5 mean injectable?

6 A. It does.

7 Q. And you also see up top here where I put an X, a name of a  
8 pharmacy. Do you see that?

9 A. Yes.

10 Q. Are you familiar with that pharmacy?

11 A. I've heard of them.

12 Q. Do you know if they are FDA approved?

13 A. There's no such thing as an FDA pharmacy.

14 Q. And you see over here there's an address up there, 221. I  
15 don't think we have another view of this bottle. I looked. I  
16 don't see.

17 And on the bottle there's a lot number, correct?

18 A. Yes.

19 Q. And that's in order to trace back this product if there was  
20 something wrong with it, is that why the lot number's there?

21 A. That's why the lot number is there.

22 MR. FASULO: Just a few more questions, Judge. Just  
23 one or two more questions.

24 THE COURT: That's fine. You're finished with the  
25 exhibit from the Boothwyn pharmacy.

1 MR. FASULO: Yes.

2 THE COURT: You can take that down, Ms. Jung.

3 Thank you.

4 BY MR. FASULO:

5 Q. If we can have 1111 shown to the jury, Government Exhibit  
6 1111.

7 Doctor, you said you looked at this exhibit earlier,  
8 correct?

9 A. Yes, I did.

10 Q. And did you do a GRASE analysis?

11 A. GRASE?

12 Q. GRASE analysis on this particular item?

13 A. I did.

14 Q. And I think in your direct testimony you indicated that it  
15 didn't pass the GRASE test, per se?

16 A. It's not generally recognized as safe and effective.

17 Q. Would it be fair to say that a veterinarian would be able  
18 to dispense this medication even though it didn't pass the  
19 GRASE test under any circumstance?

20 A. For the intended use as we understand it, there would be no  
21 way to dispense this product under the 21 CFR 530 regulations.

22 There is nothing in the regulations that allows for  
23 the compounding of animal drugs from bulk, and this is an  
24 unapproved new animal drug that isn't generally recognized as  
25 safe and effective. It's misbranded because it lacks so much

M52BGIA3

Bowman - Cross

1 labeling information that would be needed for its use. What  
2 else can I say?

3 Q. At the end of the day, this drug is available to the  
4 veterinarian. In the veterinarian's discretion based on the  
5 regulations to prescribe if he, in his professional opinion,  
6 believes it to be necessary and complies with the FDA  
7 regulations?

8 A. My point is, there's no way to comply with the FDA  
9 regulations for this drug, not as it sits right here now.

10 Q. So let me ask you something, another thing on this drug, do  
11 we know who -- does this indicate to you who prescribed this  
12 medication?

13 A. No.

14 Q. Does it indicate to you where this medication came from?

15 A. No.

16 Q. Does it have any indication of its origin or its potency as  
17 far as you can tell from the label?

18 A. I think it had some information about the potency on the  
19 other side of the label. But from what I can see right now,  
20 no.

21 Q. I'd like to look at Government Exhibit 1113.

22 A. It lists the two components, but doesn't list the  
23 concentrations.

24 Q. And when you say the two components, would that be the B4  
25 and B10?

M52BGIA3

Bowman - Cross

1 A. Beta 4 and Beta 10.

2 Q. Is Beta 4 an approved drug from the FDA?

3 A. No.

4 Q. Is Beta 10 an approved drug from the FDA?

5 A. No.

6 Q. And 1114, my last one.

7 Doctor, you see what's on the screen right now in  
8 front of you?

9 A. I do.

10 Q. Are you familiar with the medication?

11 A. Factrel, yes.

12 Q. Is that an approved drug from the FDA?

13 A. Yes, it is.

14 Q. Doctor, in terms of who may actually administer these drugs  
15 once they are dispensed, is it fair to say that it may be, even  
16 if it's a prescription drug, that there are cases where a  
17 trainer can administer these drugs under the auspices of a vet?

18 MS. MORTAZAVI: Objection, vague. "These drugs."

19 THE COURT: I'm sorry.

20 MS. MORTAZAVI: Vague as to which drugs.

21 THE COURT: You want to clarify.

22 Sustained.

23 Q. Doctor, you talked about administering drugs on direct  
24 examination, correct?

25 A. Yes.



M52BGIA3

Bowman - Cross

1 Q. And you talked about some drugs had to be administered by a  
2 license veterinarian, correct?

3 A. Correct.

4 Q. Isn't it also true that it can be administered -- some of  
5 those drugs could be administered by a trainer or somebody  
6 under the direction of a licensed vet?

7 A. Yes, it is.

8 Q. And that's because we don't have enough vets?

9 A. No, that's not why.

10 Q. But isn't it true that we have -- well, why is it?

11 A. The reason that is allowed is because the veterinarian  
12 makes the determination whether a specific individual is  
13 capable of administering the drug as directed by the  
14 veterinarian.

15 And if he makes that determination, then he can  
16 prescribe that drug for an animal and dispense it to the  
17 individual with the directions for use.

18 Q. And that determination is within the sole discretion of the  
19 vet who's prescribing that job?

20 A. Within a valid client-patient relationship.

21 Q. My question is, is that discretion -- is that the sole  
22 discretion of the veterinarian to make that determination?

23 A. Within the veterinarian-client-patient relationship.

24 Q. Doctor, are you familiar with the code, the Delaware code  
25 as it relates to the definition of what a valid

M52BGIA3

Bowman - Redirect

1 veterinarian-client-patient relationship is?

2 A. Not specifically, no.

3 Q. And you would agree with me that that code, the Delaware  
4 code, is what would guide veterinarians who are licensed in the  
5 state of Delaware treating animals, do you agree?

6 A. The first thing that guides the veterinarian in whether to  
7 dispense a prescription animal drug is whether the individual  
8 client or person charged with that animal's care is capable of  
9 administering the drug as directed.

10 And then there are a number of other decisions that  
11 have to be made, the practice act would be one, racing rules  
12 would be another, it depends on the use of the horse and the  
13 stage of its life. There's many factors that go into that  
14 decision.

15 Q. In terms of prescribing the medications that would be based  
16 on the veterinarian's judgment based on the rules that he was  
17 following within the individual states as it relates to the  
18 veterinarian-client-patient relationship?

19 A. It relates to all those things I just said.

20 MR. FASULO: Okay. No further questions.

21 THE COURT: All right. Thank you.

22 Is there redirect, Ms. Mortazavi?

23 MS. MORTAZAVI: Yes, your Honor.

24 REDIRECT EXAMINATION

25 BY MS. MORTAZAVI:

M52BGIA3

Bowman - Redirect

1 Q. Dr. Bowman, I just have a few questions for you to  
2 follow-up on a few of the statements that you judge made to  
3 Mr. Fasulo.

4 Dr. Bowman, you stated just a moment ago that some  
5 drugs can be administered by trainers or others under the  
6 supervision of a veterinarian; is that right?

7 A. Yes.

8 Q. And you were speaking directly based on veterinarian  
9 practice principles; is that correct?

10 A. Yes.

11 Q. You were not opining on any states racing rules, were you?

12 A. No.

13 Q. Ms. Jung, could you please pull up Government Exhibit 1111,  
14 1112 and 1113. These are the bottles of TB-7 -- photographs of  
15 the TB-that were taken in the search of Christopher Oakes's  
16 barn.

17 Dr. Bowman, you were asked some questions about this  
18 label, do you recall that?

19 A. Yes.

20 Q. And you stated there's no manufacturer information or  
21 contact information here, correct?

22 A. Correct.

23 Q. Ms. Jung, could you please focus on Government Exhibit  
24 1112, if you could expand that.

25 Dr. Bowman, do you see a watermark on this label that

M52BGIA3

Bowman - Redirect

1 appears to be a horse head logo?

2 A. Yes.

3 Q. Ms. Jung, you can take this down. Thank you.

4 If you could please pull up Government Exhibit 5011,  
5 if you could focus on the bottle to the far left, Ms. Jung.

6 Dr. Bowman, do you recall being asked some questions  
7 about this prescription label?

8 A. Yes.

9 Q. Do you recall starting to say that there were many  
10 different types of labels?

11 A. Yes.

12 Q. Could you explain your answer?

13 A. Yes. I think we're all familiar with receiving drugs from  
14 the pharmacy and the pharmacy is required to apply a label that  
15 specifies, among other things, who prescribed the drug, what  
16 the -- how many tablets or how much is in the container, who  
17 it's for, how you're supposed to administer it in the simplest  
18 of directions, that kind of information.

19 That doesn't substitute for or replace the required  
20 prescription drug labeling that would come on the original  
21 container.

22 In those cases, for example, in this picture, this  
23 image, they're using the original container and then applying  
24 that pharmacy label over top of it which is commonly done with  
25 a lot of animal drugs because you're gonna use a 100 ml to

M52BGIA3

Bowman - Redirect

1 treat a single horse over time. So, you definitely would want  
2 the whole bottle, so they're not going to subdivide that this  
3 into smaller quantities like they would in a human pharmacy if  
4 you just needed 10 mls to treat a child, so you see multiple  
5 labels on something that's dispensed.

6 Q. Ms. Jung, could you please display Government Exhibit 5035.

7 Dr. Bowman, we just looked at a bottle of TB-, do you  
8 recall that?

9 A. Yes.

10 Q. Do you see the sticker here that says TB-7?

11 A. Yes.

12 Q. Ms. Jung, if you could take this down and please pull up  
13 Government Exhibit 5012.

14 Dr. Bowman, do you recall being asked questions about  
15 this particular label?

16 A. Yes.

17 Q. Do you recall being asked questions about the so-called  
18 patient name on this label?

19 A. Yes.

20 Q. Hypothetically, if a prescription drug is obtained in the  
21 name of one horse, can it be legally dispensed to a different  
22 horse?

23 A. No, not that I'm aware of. There could be some variation  
24 in the pharmacy rules because this was prepared at a pharmacy,  
25 so that's a pharmacy label.

M52BGIA3

Bowman - Redirect

1 Q. Ms. Jung, if you could take this down and please display  
2 Government Exhibit 5014 and focus on the bottle of Banamine  
3 here.

4 Dr. Bowman, you referenced that there was some  
5 markings on this label indicating that this was approved by  
6 FDA?

7 A. Yes.

8 Q. That's the line that appears below NADA number 101-479?

9 A. Yes.

10 Q. You also testified that you're familiar with the company  
11 Merck, correct?

12 A. Correct.

13 Q. Going back to that NADA language, what does that acronym  
14 stand for if you're familiar?

15 A. That stands for new animal drug application, and the number  
16 that follows that is the official number for that product.

17 Q. And are all approved products given a number like that?

18 A. Yes.

19 Q. And do approved drugs have to include statements like that?

20 A. Yes. Well, qualify that.

21 If we ever get our new regulations, that will be  
22 required for everyone. At present, it's recommended, but not  
23 required. Nearly all approved sponsors do put it on their  
24 label, but you will find some examples of product that are  
25 approved drugs without that language on the label.

M52BGIA3

Bowman - Redirect

1 Q. Ms. Jung, can you please display side by side Government  
2 Exhibit 5014 and Government Exhibit 1220 which is the bottle of  
3 BB3 that was seized from Jorge Navarro's residence.

4 Are there differences in the labels between the  
5 approved drug Banamine and BB3?

6 A. Yes.

7 Q. Can you name three examples?

8 A. It lacks the cautions, the precautions, including the  
9 caution statement, the prescription legend. It's lacking the  
10 NDC number which is how you know that it's properly listed with  
11 FDA, and it's lacking the established name for the ingredient.

12 Q. Ms. Jung, could you display side by side Government Exhibit  
13 5014, the approved version of Banamine and Government Exhibit  
14 1022. If you could focus on one of the portions of the  
15 Government Exhibit 1022.

16 Dr. Bowman, looking at these two labels side by side,  
17 can you list three differences between the approved drug on the  
18 left and ACTH on the right?

19 A. So, it lacks the manufacturer identifying information. It  
20 lacks the prescription legend and it lacks the caution and  
21 precaution statements.

22 Q. Ms. Jung, if you could take these exhibits down. If you  
23 could please just play Government Exhibit 5007 and focus on the  
24 second shelf, Ms. Jung.

25 Dr. Bowman, do you recall being asked questions about

M52BGIA3

Bowman - Redirect

1 these drugs generally?

2 A. Yes.

3 Q. Which of these drugs require a prescription?

4 A. Of the ones whose labels I can read which is I think three,  
5 they all require prescriptions.

6 Q. Ms. Jung, could you please go back to the original image  
7 and focus on the third shelf that appears here.

8 Dr. Bowman, could you tell us which of these drugs  
9 would require a prescription, if any?

10 A. They all require a prescription.

11 Q. Are you familiar with ventipulmin?

12 A. Yes.

13 Q. What is that?

14 A. That's a clenbuterol drug. It's to improve breathing.

15 Q. Ms. Jung, if we could focus on the fourth shelf.

16 Dr. Bowman, are there any drugs here that would  
17 require a prescription?

18 A. I hate to rely on the shelf tag because I'm not confident  
19 that the shelf tags are accurate, but the ones whose labels I can  
20 read, which are five, and all of them require prescription.

21 Q. Ms. Jung, if we could focus on the bottom, going back to  
22 the original exhibit focusing on the very bottom to the right.

23 Dr. Bowman, do you recall being asked questions about  
24 Thyroxine L powder?

25 A. Yes.



M52BGIA3

Bowman - Redirect

1 Q. Before you were asked those questions, correct?

2 A. Yes.

3 Q. And you were already aware that the FDA exercises  
4 enforcement discretion with respect to this powder, correct?

5 A. Yes.

6 Q. And you were already aware of the distributor of this  
7 powder, correct?

8 A. Yes. There actually should be more than one distributor.

9 Q. And can you remind us what condition Thyroxine L powder?

10 A. Thyroxine L powder is used to treat hypothyroidism in  
11 horses and other animals, but not the powder form.

12 It had been marketed without approval for people and  
13 animals for many, many years, and it came to the attention of  
14 the FDA -- and this is all out there publically -- that it  
15 actually wasn't being manufactured to a satisfactory standard  
16 so that it was always the same which was causing problems, and  
17 treating patients, human and animal patients for thyroid  
18 deficiency.

19 So we now have approved human products and we have  
20 approved products for dogs, but nobody's gotten an approval yet  
21 for horses, so until they do, we've exercised enforcement  
22 discretion over this product, so there's something out there to  
23 treat horses with.

24 Q. And you stated in your testimony that you are familiar with  
25 Henry Schein, the distributor that appears on this label,

M52BGIA3

Bowman - Redirect

1 correct?

2 A. Yes.

3 Q. Were you familiar with Equestology before you were  
4 contacted to perform a GRASE analysis?

5 A. Only in the context of looking at unapproved drugs for  
6 potential enforcement activities.

7 THE COURT: Ms. Mortazavi, you want to find a good  
8 breaking point, please.

9 MS. MORTAZAVI: Your Honor, I'll ask one more question  
10 and I think that would be a good breaking point, your Honor.

11 THE COURT: Sure.

12 BY MS. MORTAZAVI:

13 Q. Dr. Bowman, you were asked some questions about several  
14 calls and transcripts that I had originally reviewed with you  
15 in your direct examination. Do you remember that?

16 A. Yes.

17 Q. And at that time when I asked you those questions, you had  
18 concluded that those calls did not reflect a valid VCPR,  
19 correct?

20 A. Correct.

21 Q. Can you just explain what led you to testify that those did  
22 not reflect a valid VCPR?

23 A. I was involved in a prior trial where --

24 MR. FASULO: Objection, Judge.

25 THE COURT: Hold on. Hold on. The objection is

M52BGIA3

Bowman - Redirect

1 sustained, so why don't we take a break at this point and I'll  
2 talk to counsel.

3 MS. MORTAZAVI: Thank you, your Honor.

4 THE COURT: And then we'll pick it up, Dr. Bowman,  
5 after the break.

6 Ladies and gentlemen, we're going to take our  
7 afternoon break. Please leave everything on your seats, and I  
8 remind you again, please don't talk about the trial or the  
9 testimony or the issues involved in the trial during your  
10 break.

11 (Continued on next page)

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1 (Jury not present)

2 THE COURT: Dr. Bowman, you can step out. Just  
3 remember you're under oath.

4 Mr. Fasulo.

5 MR. FASULO: Judge, I objected because she's talking  
6 about a prior trial. If she was talking about the basis of her  
7 knowledge, I understand I opened the door to that.

8 THE COURT: Talking about the basis of her knowledge.  
9 You understand you opened the door.

10 MR. FASULO: I understand I opened the door. She  
11 talked about what she knew if it's relevant to what she  
12 testified to, I understand, but not the results of that trial  
13 or anything that happened at that trial because that's not  
14 really part of what she should be testifying here today about,  
15 whether there's a conviction or not a conviction.

16 THE COURT: Of course, she can't talk about the  
17 outcome.

18 MS. MORTAZAVI: I suppose I want to clarify  
19 Mr. Fasulo's position. I'm looking to clarify, your Honor,  
20 whether Mr. Fasulo would allow me to explore that a prior trial  
21 took place, but would not like me to explore who was on trial  
22 or the outcome. It seems like a minefield and I want to make  
23 sure I understand what Mr. Fasulo's position is.

24 MR. FASULO: I think there should be an offer of proof  
25 because I don't think the fact that there was a prior trial or

M52BGIA3

Bowman - Redirect

1 anything about a prior trial. Her knowledge is different.

2 THE COURT: The problem is, as you say, you kind of  
3 opened the door about the basis of her knowledge, and  
4 Ms. Mortazavi asked her what was the basis for your forming the  
5 conclusion, and she started to say what I learned from  
6 testifying in a prior trial, I think is what she started to  
7 say. Let me just scroll back.

8 Okay. As far as she got was, I was involved in a  
9 prior trial.

10 MR. FASULO: Judge, I ask for an offer of proof where  
11 this is going so we can avoid any kind of maybe minefields  
12 here.

13 MS. MORTAZAVI: Your Honor, my intention was not to  
14 elicit the prior trial. And if I'm permitted for this  
15 particular line of questions to ask a few more leading  
16 questions, specifically as to the lack of reference to Seth  
17 Fishman, lack of reference to a prescription or veterinarian.  
18 I tried to keep my question open-ended because it is redirect.  
19 But given this witness's experience in the litigation as a  
20 whole, I think it's appropriate that I ask leading questions at  
21 this point.

22 THE COURT: You mean in the conversation transcript,  
23 the lack of reference to A,B,C?

24 MS. MORTAZAVI: Correct.

25 THE COURT: The issue is, though -- that's all fine,

M52BGIA3

Bowman - Redirect

1 but Mr. Fasulo asked in his questioning hypothetically if this  
2 happened, would that influence your opinion. And she tried to  
3 offer more, and I thought that's what you were getting at, but  
4 you can ask those three questions.

5 And I agree that asking them in a leading fashion is  
6 probably the safest. Any objection, Mr. Fasulo?

7 MR. FASULO: No objection. Without hearing the  
8 question, obviously, but no objection to what we're going to  
9 do.

10 MS. MORTAZAVI: I think that resolves it, your Honor.

11 THE COURT: Okay. You can ask those three leading  
12 questions.

13 MS. MORTAZAVI: Thank you.

14 THE COURT: All right. Why don't we take a break. We  
15 told the jury about 3:15. I'll see everyone back then at 3:15.

16 (Recess)

17 MR. FASULO: Judge, before the jury comes in.

18 THE COURT: Yes.

19 MR. FASULO: I want to address our last conversation.  
20 I just want to be a little clearer. I believe that the  
21 government -- I opened the door. They can ask the witness what  
22 the basis of her understanding is, however if the basis of her  
23 understanding is hearsay, it is still objectionable, and I'm  
24 going to make the objection.

25 The mere fact she's told something about the

M52BGIA3

Bowman - Redirect

1 government is going to be objectionable, so it's what she knows  
2 still that she can testify to.

3 THE COURT: I thought we agreed though that  
4 Ms. Mortazavi wasn't going to do. She's going to ask three  
5 leading questions.

6 MR. FASULO: I wanted to review that.

7 THE COURT: You're correct about that.

8 MR. FASULO: If that comes up. I have no idea of the  
9 questions, and she doesn't have to tell me, so I don't know  
10 what they are.

11 THE COURT: I think she did tell you though.

12 MS. MORTAZAVI: I believe I did, your Honor.

13 THE COURT: Are we ready for the jury?

14 MS. MORTAZAVI: Yes, your Honor. I'll ask the agents  
15 to recall the witness.

16 THE COURT: Let's let Dr. Bowman get in before we get  
17 the jury out.

18 (Continued on next page)

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1 (Jury present)

2 THE COURT: Government, Ms. Mortazavi, please.

3 Let me just remind you, Dr. Bowman, I know you know,  
4 but you're still under oath.

5 BY MS. MORTAZAVI:

6 Q. Dr. Bowman, I'm just going to pick up where we left off  
7 before the break.

8 I was asking you if you recalled during my direct  
9 examination and Mr. Fasulo's questions going over certain  
10 transcripts and going over certain calls and being asked to  
11 opine on them. Do You recall that?

12 A. Yes.

13 Q. And do you recall being asked whether there was or was not  
14 a valid VCPR?

15 A. Yes.

16 Q. And across the calls that you reviewed, apart from one  
17 example, was there a reference to Seth Fishman?

18 A. No.

19 Q. Was there a reference to a horse?

20 A. Not in any that I can recall, not by name at least.

21 Q. Was there a reference to any patient?

22 A. It was kind of a vague description in one of the calls, but  
23 it wasn't name.

24 Q. Was there any reference to a prescription?

25 A. No.



M52BGIA3

Bowman - Redirect

1 Q. Are those the sorts of things you would expect a  
2 veterinarian employee to ask about when discussing prescription  
3 drugs?

4 A. Yes, or at least remind a client that, you know, the  
5 approval of the prescriptions that they are hoping to get lands  
6 with the vet that will make the final decision, something along  
7 those lines.

8 Q. You were also asked questions about whether you knew of any  
9 calls or meetings that had happened before the calls that we  
10 reviewed took place. Do you recall that?

11 A. Vaguely.

12 Q. In any of the transcripts that we reviewed, was there any  
13 reference to a prior examination that you can remember?

14 A. No, not that I recall.

15 Q. Dr. Bowman, you were asked about FDACVM sending warning  
16 letters to manufacturers, do you recall that?

17 A. Yes.

18 Q. And do you recall being asked about letters sent to known  
19 manufacturers regarding drug labels?

20 A. Yes.

21 Q. Do you have to know the manufacturer of a drug in order to  
22 send them a warning letter?

23 A. Yes.

24 Q. Do you have to know the mailing address in order to send a  
25 warning letter?

1 A. Yes. In rare circumstances, we'll send an electronic  
2 warning letter if we have an email address, but not a physical  
3 address, but that's pretty rare.

4 Q. And if somebody turns in a bottle to the FDA that contains  
5 no manufacturer information, how are you supposed to know who  
6 manufactured that drug?

7 A. I ask my boss that a lot, and we do the research we can do,  
8 but often in many cases, it is impossible to figure out where  
9 the drug is manufactured.

10 Q. You were also asked questions about drug compounding, do  
11 you recall those?

12 A. Yes.

13 Q. Can you walk us through how a veterinarian would validly  
14 compound a drug?

15 MR. FASULO: Objection, vague.

16 THE COURT: Overruled. You can answer, Doctor.

17 A. Drug compounding is a complex area of pharmaceutical use  
18 and the way the animal law is written, all compounding from  
19 bulk drugs is illegal.

20 There is no provision in the statute or the law that  
21 allows for the compounding of animal drugs from bulk  
22 pharmaceutical ingredient there.

23 There is a provision in the law under 21 CFR 530 to  
24 manufacture or to compound for individual patients from  
25 approved human and animal drugs. So if you needed to dilute it

M52BGIA3

Bowman - Redirect

1 make it more -- dilute it for a small animal or you needed to  
2 crush a tablet into a powder and then mix it with a liquid to  
3 administer it as a liquid because of your patient, patient  
4 didn't tolerate pilling, but would tolerate liquid medication,  
5 something like that.

6 That said, we understand that there are rare  
7 circumstances when there is no approve product for which to  
8 compound a medically important drug for a specific animal, or  
9 even in very limited circumstances for office stock and our new  
10 guidance just came out, but it basically follows the same  
11 thread as our old guidance.

12 And we developed a list of drugs for which it's  
13 acceptable to compound from bulk for office stock. Other than  
14 that, compounding from bulk is very limited.

15 Q. Dr. Bowman, the new guidance you mentioned, when did that  
16 come into effect?

17 A. I believe it published in final the beginning of last week  
18 or the end of the week before.

19 Q. So within the last few weeks?

20 A. Yes, it was in draft. There was a draft version that was  
21 circulated for comment and then a final version just came out.

22 Q. That guidance was not in effect between the years 2000 and  
23 2020?

24 A. No.

25 Q. Is drug compounding the same as manufacturing a brand new

M52BGIA3

Bowman - Redirect

1 drug from scratch?

2 A. No, not typically.

3 Q. Is a drug typically compounded from an existing approved  
4 drug?

5 A. That is the goal.

6 Q. And you testified that typically a compounded drug would  
7 have to be compounded pursuant to a prescription; is that  
8 right?

9 A. Yes.

10 Q. Would it have to be patient specific?

11 A. It has to be patient specific unless it's one of those  
12 drugs on the office stock list.

13 Q. Does that mean that the veterinarian would have to actually  
14 know the patient?

15 A. Yes.

16 Q. And I believe you also testified that a determination has  
17 to be made that no approved drug would be adequate before a  
18 drug could be compounded; is that correct?

19 A. That is correct.

20 Q. Did you also testify that there would have to be a  
21 determination that it would be necessary to compound a drug to  
22 prevent death or suffering?

23 A. Yes.

24 Q. Would an animal that's racing slowly be considered  
25 suffering?

M52BGIA3

Bowman - Redirect

1 A. No.

2 Q. Is compounding a drug to enhance a horse's performance  
3 necessary to alleviate animal suffering?

4 A. No.

5 Q. You were also asked several questions about whether it was  
6 ultimately up to a veterinarian's discretion whether or not to  
7 compound a drug? Do you recall those questions?

8 A. Yes.

9 Q. Are veterinarians subject to standards?

10 A. Yes.

11 Q. And that includes the requirement that there be a valid  
12 VCPR, that's what you testified to, correct?

13 A. Correct.

14 Q. Are veterinarians also subject to the Food Drug and  
15 Cosmetic Act or the FDCA?

16 A. Yes, wherever it applies to what they're doing.

17 Q. And if a veterinarian is manufacturing a drug, is that  
18 veterinarian subject to the FDCA?

19 A. Yes.

20 Q. In fact is anybody who is distributing drugs in the United  
21 States subject to the FDCA and associated regulations?

22 A. Yes.

23 Q. Does it matter whether or not they are a veterinarian?

24 A. No, it doesn't.

25 Q. You also testified that a veterinarian has to be licensed

M52BGIA3

Bowman - Redirect

1 in the states where they dispense medications as well as the  
2 states where they treat animals, correct?

3 A. That may have been -- I was assuming that they would  
4 dispense the medications at the time they saw the animals, so  
5 they would be in the same state at the same time.

6 Q. Assuming they were not in the same state at the same time,  
7 would a veterinarian have to be licensed in a state where the  
8 veterinarian dispenses medication?

9 A. First of all, I don't know why they would be dispensing  
10 medication to somebody in a different state.

11 MR. FASULO: Objection. Move to strike.

12 THE COURT: Please just answer the question that's  
13 asked.

14 A. I'm not sure.

15 THE COURT: It is stricken.

16 A. I'm not sure.

17 Q. What does it mean to dispense medication?

18 A. To dispense medication means to basically to give the  
19 medication to the person who's responsible for treating the  
20 animal.

21 Q. And how does that typically happen?

22 A. That typically happens at a visit. So the veterinarian is  
23 there, they make the diagnosis. They recommend the treatment  
24 and they dispense the treatment at that time.

25 Q. As in they physically hand it to the person, the client

M52BGIA3

Bowman - Redirect

1 they're dispensing the medication to?

2 A. That's most common.

3 Q. And if there isn't that in-person transfer, how else do  
4 people get prescription medications?

5 A. The veterinarian writes a prescription just like your  
6 physician writes a prescription, and then they take that  
7 prescription to a pharmacy that will fill it.

8 Q. Do veterinarians typically ship drugs?

9 A. None that I know of.

10 Q. Do drug manufacturers typically ship drugs?

11 A. Yes.

12 Q. You were also asked some questions about how often a  
13 veterinarian needs to consult with an existing patient. Do you  
14 recall those questions?

15 A. Yes.

16 Q. Does someone need to know the horse's name in order to  
17 determine whether it's an existing patient?

18 A. Yes.

19 Q. Is it typical for a veterinarian to take an order for a  
20 prescription drug without knowing the patient name?

21 A. No.

22 Q. Is it typical for someone working for a veterinarian to  
23 take an order for a prescription drug without knowing the  
24 patient name?

25 A. No.

M52BGIA3

Bowman - Recross

1 MS. MORTAZAVI: No further questions, your Honor.

2 THE COURT: Thank you. Mr. Fasulo.

3 MR. FASULO: Just one, Judge.

4 RECROSS EXAMINATION

5 BY MR. FASULO:

6 Q. Dr. Bowman, you talked about -- rephrase.

7 Dr. Bowman, would it be fair to say that there's no  
8 federal law that prohibits a doctor from shipping a drug to a  
9 patient, a drug that he prescribed?

10 A. No.

11 Q. It is not prohibited?

12 A. No, it is not allowed.

13 Q. If I'm a doctor and I have a drug and I prescribed it for a  
14 client, I can ship that drug to the client?

15 A. No, not if it goes in interstate commerce. It goes in  
16 interstate commerce, it has to follow all the rules.

17 Q. And if it follows the rules, it would be okay, correct?

18 A. Yes.

19 Q. You don't know what those rules are, do you?

20 A. I know what the federal rules are.

21 Q. But you don't know whether or not -- what I'm asking you  
22 is, in the job of the veterinarian in taking care of an animal,  
23 he can ship a drug from his premises to the client and there's  
24 no FDA rule forbidding that; isn't that fair to say?

25 A. No.



1 THE COURT: No it's not fair to say?

2 THE WITNESS: No, it's not fair to say.

3 Q. What FDA rule addresses that issue?

4 A. They have to comply with the regulations on interstate  
5 commerce.

6 Q. And if they comply with the interstate commerce rules, then  
7 there is no FDA prohibition?

8 A. Well, it would depend on the drug and it would depend on  
9 the interstate commerce.

10 Q. So those two factors would go into play, but if they pass  
11 those requirements, the vet can ship that drug as far as you  
12 know?

13 A. I think there's too many hypotheticals. I can't answer  
14 that.

15 Q. Let me ask you a hypothetical then -- not a hypothetical.

16 Is it your testimony here today that a doctor is not  
17 permitted to ship a drug if the doctor follows both interstate  
18 commerce laws and the FDA regulations?

19 THE COURT: A veterinarian.

20 Q. The doctor being the vet?

21 A. Can I explain it. As if I'm the vet, I have a patient. My  
22 patient has moved to another state. I have a valid VCPR with  
23 that patient, but I'm not licensed in that other state, I  
24 cannot ship drug there.

25 Q. Say you are licensed in that state?

M52BGIA3

Bowman - Recross

1 A. If I am licensed in that state as well as the state where I  
2 am, then as long as it meets all the other rules of a drug  
3 that's allowed in interstate commerce, I could ship it.

4 MR. FASULO: No further questions.

5 (Continued on next page)

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M526GIA4

Bowman - Redirect

1 MR. FASULO: No further questions.

2 THE COURT: Thank you.

3 MS. MORTAZAVI: Just one question, your Honor.

4 REDIRECT EXAMINATION

5 BY MS. MORTAZAVI:

6 Q. Dr. Bowman, I want to make sure I understand your last  
7 answer.

8 I believe you stated that if you were the veterinarian  
9 and you were in one state and you were shipping a drug to a  
10 separate state that you were not licensed in, you would not be  
11 allowed to do that; is that correct?

12 A. That is correct.

13 MS. MORTAZAVI: Thank you.

14 MR. FASULO: Nothing further.

15 THE COURT: All right. Thank you, Dr. Bowman. You're  
16 excused with the thanks of the Court.

17 THE WITNESS: Thank you.

18 (Witness steps down)

19 THE COURT: Mr. Gianforti or Ms. Mortizavi.

20 MR. GIANFORTI: Thank you, your Honor.

21 Before we call the next witness, can we read the  
22 remaining stipulations into the record?

23 THE COURT: Sure.

24 MR. GIANFORTI: Ms. Jung, can you please pull up  
25 Government Exhibit 9001, please?

M526GIA4

1 All right. This is a stipulation between the parties,  
2 I will skip the preliminaries.

3 Paragraph 1: If called as a witness at trial, a  
4 record custodian for the entity T-Mobile Incorporated,  
5 T-Mobile, and for each of the government exhibits identified  
6 below would testify at follows:

7 T-Mobile provided law enforcement agents with  
8 historical location data, subscriber records, and other  
9 information for cellular phone with call number 561-270-9286,  
10 9286 phone.

11 Government Exhibits 3600 and 3601 consists of account  
12 information and call detail records associated with the 9286  
13 phone.

14 B: Government Exhibits 3602 and 3607 consists of call  
15 detail records and historical location information associated  
16 with the 9286 phone.

17 C: Government Exhibits 3600 through 3602 and 3607 are  
18 true and correct copies of records of T-Mobile, maintained by  
19 T-Mobile, and are records regularly conducted of T-Mobile that  
20 were made at or near the time by or from information  
21 transmitted by someone with knowledge of the information  
22 contained therein, kept in the course of regularly conducted  
23 activities of T-Mobile, and made as a regular practice of the  
24 activities of T-Mobile.

25 Paragraph 2: If called as a witness at trial, a

M526GIA4

1 record custodian for the entity Verizon Wireless, Verizon, and  
2 for each of the Government Exhibits identified below would  
3 testify as follow:

4 Verizon provided law enforcement agents with  
5 historical location data, subscriber records, and other  
6 information for cellular telephone -- cellular phone with call  
7 number 302-222-2220, the 2220 phone. Government Exhibits 3603  
8 through 3605 consists of account information and call detail  
9 records associated with the 2220 phone. Government Exhibit  
10 3606 consists of call detail records and historical location  
11 information associated with the 2220 phone. Government  
12 Exhibits 3603 through 3606 are true and correct copies of  
13 records of Verizon maintained by Verizon and are records of  
14 regularly conducted activities of Verizon that were made at or  
15 near the time by or from information transmitted by someone  
16 with knowledge of information contained therein, kept in the  
17 course of regularly conducted activities of Verizon and made as  
18 a regular practice of the activities of Verizon.

19 It is further stipulated and agreed by and between the  
20 parties that the aforementioned Government Exhibits in this  
21 stipulation, which is Government Exhibit 9001, may be received  
22 in evidence at trial. And, your Honor, the government offers  
23 Government Exhibit 9001 and the exhibits listed therein.

24 THE COURT: Government Exhibit 9001, which is the  
25 stipulation, is admitted. It is evidence in this case, as are

M526GIA4

1 the exhibits referenced in 9001.

2 (Government's Exhibits 9001, 3600-3607 received in  
3 evidence)

4 MR. GIANFORTI: Thank you, your Honor. If you can  
5 please pull up Government Exhibit 9004, Ms. Jung?

6 One moment, your Honor.

7 All right. This is another stipulation. I will skip  
8 the preamble again.

9 If called as a witness at trial, a record custodian  
10 for FedEx Services, FedEx, and for each of Government Exhibits  
11 8000 through 8536 would testify that Government Exhibits 8000  
12 through 8536 are true and correct copies of records of FedEx,  
13 maintained by FedEx, and are records of regularly conducted  
14 activities of FedEx that were made at or near the time by or  
15 from information transmitted by someone with knowledge of the  
16 information contained therein, kept in the course of regularly  
17 conducted activities with FedEx, and made as a regular practice  
18 of the activities of FedEx.

19 It is further stipulated and agreed upon by and  
20 between the parties that the aforementioned Government Exhibits  
21 in the stipulation, which is Government Exhibit 9004, may be  
22 received in evidence at trial.

23 Your Honor, the government offers Government Exhibit  
24 9004 and all exhibits listed therein.

25 THE COURT: May I see the first page again, please?

M526GIA4

1 Okay.

2 Government Exhibit 9004, which is the stipulation, is  
3 admitted as evidence in this case, and the exhibits referenced  
4 in that stipulation are also admitted as evidence in this case.

5 (Government's Exhibits 9004, 8000-8536 received in  
6 evidence)

7 MR. GIANFORTI: Thank you, your Honor.

8 Your Honor, the government calls John Rubino.

9 THE COURT: Leave the stip up for one minute.

10 All right. Thank you. You may take it down.

11 Good afternoon, sir. Would you please stand here and  
12 remove your mask?

13 DEPUTY CLERK: Good afternoon, please raise your right  
14 hand.

15 JOHN RUBINO,

16 called as a witness by the Government,

17 having been duly sworn, testified as follows:

18 DEPUTY CLERK: Please state and spell your name for  
19 the record.

20 THE WITNESS: John Rubino, J-O-H-N, R-U-B-I-N-O.

21 THE COURT: Thank you. Please sit down.

22 Sir, will you please pull the mic down so you're  
23 speaking directly into the microphone? Can you bend it? Thank  
24 you.

25 Mr. Gianforti.

M526GIA4

Rubino - Direct

1 DIRECT EXAMINATION

2 BY MR. GIANFORTI:

3 Q. Please do keep your voice up as I ask you questions, if you  
4 don't mind.

5 A. Okay.

6 Q. Thank you. Where do you work?

7 A. I work the Federal Bureau of Investigation.

8 Q. What's your position?

9 A. I'm a forensic accountant.

10 Q. How long have you been a forensic accountant with the  
11 Federal Bureau of investigation?

12 A. I've been a forensic accountant over here for three and a  
13 half years now.

14 Q. What did you do before you joined the FBI?

15 A. Prior, I was -- I worked at an accounting firm for two and  
16 a half years as an auditor.

17 Q. How far did you go in school?

18 A. Bachelor's in accounting.

19 Q. Mr. Rubino, did there come a time when you were asked to  
20 review some records in connection with your testimony today?

21 A. Yes.

22 Q. What were you asked to do?

23 A. I was asked to review bank records as well as create  
24 summary productions.

25 MR. GIANFORTI: Ms. Jung, can you please pull up



M526GIA4

Rubino - Direct

1 Government Exhibit 9003?

2 Your Honor, I'd like to read another stipulation into  
3 the record, if I could?

4 THE COURT: All right.

5 MR. GIANFORTI: All right. I will skip the  
6 preliminary paragraph again.

7 This stipulation reads:

8 If called as a witness at trial, a representative of  
9 WSFS Bank, WSFS, would testify that in or about September 2014,  
10 WSFS acquired the First National Bank of Wyoming. If called as  
11 a witness at trial, a record custodian for WSFS and for each of  
12 Government Exhibits 3700 through 3707 are true and correct  
13 copies of records of WSFS maintained, by WSFS, and are records  
14 of regularly conducted activities with WSFS that were made at  
15 or near the time by or from information transmitted by someone  
16 with knowledge of the information contained therein, kept in  
17 the course of regularly conducted activities of WSFS, and made  
18 as a regular practice of the activities of WSFS.

19 It is further stipulated and agreed by and between the  
20 parties that the aforementioned Government Exhibits in this  
21 stipulation, which is Government Exhibit 9003, may be received  
22 in evidence at trial.

23 Your Honor, the government offers Government Exhibit  
24 9003 and all exhibits listed therein.

25 THE COURT: Government Exhibit 9003 is admitted into

M526GIA4

Rubino - Direct

1 evidence as are exhibit 3700 through 3707, which are referenced  
2 in that stipulation. They are also in evidence.

3 (Government's Exhibits 9003, 3700-3707 received in  
4 evidence)

5 MR. GIANFORTI: Thank you, your Honor.

6 Ms. Jung, can you please pull up 3706 and 3707?

7 BY MR. GIANFORTI:

8 Q. Mr. Rubino, do you recognize these documents?

9 A. I currently don't see anything.

10 Q. Oh, they're not up on your screen?

11 A. No. Oh, now I do.

12 Q. Hold on.

13 THE COURT: Is the jury seeing okay?

14 MR. GIANFORTI: These are in evidence. They were  
15 stipulated.

16 THE COURT: That's why I was asking if they're seeing  
17 them.

18 Q. Do you recognize these documents?

19 A. Yes, I do.

20 Q. What are they?

21 A. These are account statements for Equestology Inc. from WSFS  
22 bank.

23 Q. Have you seen these records before?

24 A. I have.

25 Q. Did you summarize these records at the government's

M526GIA4

Rubino - Direct

1 request?

2 A. I did.

3 MR. GIANFORTI: Okay. Ms. Jung, can you now please  
4 pull up Government Exhibit 1318? This is in evidence pursuant  
5 to stipulation, Government Exhibit 9015.

6 Q. For the record, Mr. Rubino, these are records from the  
7 First National Bank of Wyoming that were seized from a storage  
8 unit controlled by Seth Fishman. Have you seen these records  
9 before?

10 A. I have.

11 Q. What are these?

12 A. These are account statements from the First National Bank  
13 of Wyoming for Equestology Inc. account.

14 Q. Did you summarize these records at the government's  
15 request?

16 A. I did.

17 Q. And you said these are for an account for Equestology Inc.,  
18 correct?

19 A. Right.

20 Q. Are their names associated with Equestology Inc. just below  
21 that?

22 A. Yes.

23 Q. What are those names?

24 A. It's Seth Fishman and Lisa Ranger.

25 Q. And is there an address associated with this account?

M526GIA4

Rubino - Direct

1 A. Yes. It's 125 Jennifer lane, Felton, Delaware.

2 MR. GIANFORTI: Ms. Jung, can you actually pull up  
3 3706 and 3707 just briefly?

4 Q. Mr. Rubino, is there a company associated with these --  
5 with this account?

6 A. I'm sorry?

7 Q. Is there a company associated with this account?

8 A. Yes. Equestology Inc.

9 Q. Are there names associated with this account?

10 A. Yes. Seth Fishman and Lisa Giannelli.

11 Q. And do you see an address in Delaware associated with these  
12 accounts?

13 A. Yes. It's 125 Jennifer Lane, Felton, Delaware.

14 Q. Thanks very much.

15 MR. GIANFORTI: Ms. Jung, can you please pull up  
16 Government Exhibit 3700 and turn to the second page?

17 If I may approach, your Honor? I'm going to hand a  
18 copy to the witness in hard copy.

19 THE COURT: Sure. Did you give it to Mr. Fasulo? Do  
20 you have a copy?

21 MR. FASULO: Yes, I do.

22 THE COURT: Thank you.

23 BY MR. GIANFORTI:

24 Q. All right, Mr. Rubino. If you flip through those  
25 documents -- have you seen them before?

M526GIA4

Rubino - Direct

1 A. Yes, I have.

2 Q. What do these documents appear to; be?

3 A. These are account opening documents.

4 Q. Associated with which account?

5 A. Associated with the First National -- these are from the  
6 First National Bank of Wyoming, and it's the account for  
7 Equestology. Additional customer names are Seth Fishman and  
8 Lisa Giannelli.

9 Q. Okay. Thank you.

10 MR. GIANFORTI: Ms. Jung, can you please go to page 1  
11 of this document? All right. And can you blow up underneath  
12 where it says authorized persons?

13 Q. Mr. Rubino, based on this document, who appears to be the  
14 authorized persons associated with this account?

15 A. Seth Fishman and Lisa Giannelli.

16 Q. Who appears to be the corporate secretary for Equestology  
17 according to this document?

18 A. It appears to be Lisa Giannelli.

19 Q. And based on this document, when does it appear this  
20 account was opened?

21 A. 11/7/2011.

22 Q. So around November 7, 2011?

23 A. Correct.

24 MR. GIANFORTI: Ms. Jung, can you please go to page 3  
25 of this document?

M526GIA4

Rubino - Direct

1 Q. Mr. Rubino, looking at the very top of this document, what  
2 kind of form does it appear to be?

3 A. This is an enhanced due diligence for high risk customers.

4 Q. And do you see a company name written in the upper  
5 right-hand corner in what appears to be handwriting?

6 A. Yes.

7 Q. What is that?

8 A. It's Equestology.

9 MR. GIANFORTI: Ms. Jung, can you please zoom in on  
10 lines six and seven of this document?

11 Q. Do you see line six, Mr. Rubino?

12 A. Yes.

13 Q. What is the business type that is listed here?

14 A. It's listed as horse meds.

15 Q. And do you see line seven there?

16 A. Yes.

17 Q. What is the business' primary customer trading area listed  
18 here?

19 A. It's racing horses.

20 Q. All right.

21 MR. GIANFORTI: All right. And, Ms. Jung, can you  
22 please go to page 5?

23 Q. Mr. Rubino, what does this document appear to be?

24 A. It's a certificate of incorporation for Equestology Inc.

25 MR. GIANFORTI: Can you please zoom in on where it

M526GIA4

Rubino - Direct

1 says second?

2 Q. Mr. Rubino, what is the address associated with Equestology  
3 according to this document?

4 A. The address is 125 Jennifer Lane, Felton, Delaware.

5 MR. GIANFORTI: All right. And, Ms. Jung, if you can  
6 then zoom out and zoom in on the very bottom where the  
7 signature is?

8 Q. Mr. Rubino, who appears to be the incorporator of  
9 Equestology Inc.?

10 A. It's Lisa Ranger.

11 Q. And when is this document dated?

12 A. December 21, 2006.

13 MR. GIANFORTI: Okay. Ms. Jung, can you go to page 6  
14 of this document?

15 Q. All right. Mr. Rubino, what does this document appear to  
16 be?

17 A. This is a signature card for the Equestology Inc. account  
18 with Seth Fishman and Lisa Giannelli.

19 Q. And do you see where it says signatures of authorized  
20 signers?

21 A. Yes.

22 Q. Who appears to be the authorized signers for this account?

23 A. It's Seth Fishman and Lisa Giannelli.

24 MR. GIANFORTI: Okay. And, Ms. Jung, if you can  
25 please zoom in on the bottom part of this document?

M526GIA4

Rubino - Direct

1 Q. Is there an address here associated with Lisa Giannelli?

2 A. Yes.

3 Q. What is this address?

4 A. It's 125 Jennifer Lane, Felton, Delaware.

5 MR. GIANFORTI: All right. You can take this down.

6 Thank you.

7 Q. All right. So, Mr. Rubino, turning back to the WSFS Bank  
8 statements that you reviewed and summarized, what time period  
9 was covered by those statements?

10 A. The time period was January 2015 to -- I believe it was  
11 five years. So it was January 2015 to December 31st, 2019,  
12 with a five-month gap in between.

13 Q. And when was that gap?

14 A. The gap was August 2018 to December 2018.

15 Q. So other than that five-month gap, you reviewed essentially  
16 five years' worth of account statements for the WSFS  
17 Equestology account?

18 A. Correct.

19 Q. All right. For that time period, Mr. Rubino, what was the  
20 total amount of deposits into the Equestology account?

21 A. The total amount of deposits were approximately  
22 4.5 million.

23 Q. How were those deposits made principally?

24 A. They were typically made in -- via merchant sales as well  
25 as checks.



M526GIA4

Rubino - Direct

1 MR. GIANFORTI: Okay. Ms. Jung, can you please pull  
2 up Government Exhibit 1304, which is in evidence, and go to  
3 Page 15 of that document?

4 I'm sorry. I think I have that wrong -- it's  
5 Government Exhibit -- I think it's -- I think it's 3704.  
6 Apologies. Yes, thank you. And please go to Page 15.

7 Can you please zoom in on the third check from the  
8 top?

9 All right. This document is in evidence, and I'm  
10 going to read certain information into the record.

11 This is a check made out to "cash" from the  
12 Equestology account made out by a John J. Sheehan of 355  
13 Guymard Turnpike, Middletown, New York 10940. It is stated  
14 December 3, 2014, and made out in the amount of \$200. In the  
15 memo line it reads "bleeder pills" with the number 150 circled.

16 Ms. Jung, can you go to page 3 and zoom in on the  
17 third check? I'm going to read certain information into the  
18 record from this as well.

19 This is another check made out by John J Sheehan of  
20 335 Guymard Turnpike, Middletown, New York 10940. The check is  
21 dated May 19, 2015. It's made out to "cash" in the amount of  
22 \$80. The memo line reads "bleeder pills." And you can take  
23 that down. Thank you.

24 BY MR. GIANFORTI:

25 Q. Mr. Rubino, in reviewing the WSFS account statements for

M526GIA4

Rubino - Direct

1 the Equestology account, did you see any payments that went to  
2 somebody named Lisa Giannelli or Lisa Ranger?

3 A. I did.

4 Q. How were those payments made principally?

5 A. They were made principally through check.

6 MR. GIANFORTI: I will ask Ms. Jung to pull up for you  
7 but not for the jury Government Exhibit 19000.

8 Q. Mr. Rubino, do you recognize this document?

9 A. I do.

10 Q. What is it?

11 A. This is a summary chart of Lisa Giannelli payments made out  
12 of the Equestology Inc. WSFS bank account, with the last four  
13 digits 4901.

14 Q. For what time period?

15 A. For the time period of January 2015 to December 31, 2019,  
16 with that five-month gap in between.

17 MR. GIANFORTI: Your Honor, the government offers  
18 Government Exhibit 19000 as a demonstrative exhibit.

19 MR. FASULO: No objection.

20 THE COURT: All right. It will be received as a  
21 demonstrative exhibit, which means it's a summary of  
22 information obtained from other documents that are in evidence.

23 (Government's Exhibit 19000 received in evidence)

24 MR. GIANFORTI: Thank you, your Honor.

25 If we could publish that for the jury, Ms. Jung?

M526GIA4

Rubino - Direct

1 Q. All right. Mr. Rubino, based on your analysis, how much  
2 money did Ms. Giannelli receive from the WSFS account in 2015?

3 A. She received \$143,542.

4 Q. How about 2016?

5 A. \$200,730.

6 Q. 2017?

7 A. \$184,266.

8 Q. 2018?

9 A. \$86,181.

10 Q. And you testified earlier that 2018 has a five-month gap;  
11 is that right?

12 A. Correct.

13 Q. What was the total for 2019?

14 A. Total for 2019 was \$172,243.

15 Q. And over this five-year period, what was the total amount  
16 of money that Lisa Giannelli received from this account minus  
17 the five-month gap from 2018?

18 A. The total was \$786,964.

19 MR. GIANFORTI: You can take that down. Let's turn  
20 now to the analysis. We'll turn now to his analysis of the  
21 banks statements from the First National Bank of Wyoming.

22 Q. Mr. Rubino, what time period did those records reflect?

23 A. Those records reflected February 2009 to November 2009 with  
24 the slight gap, I believe -- approximately like a four- to  
25 five-day gap in between.

M526GIA4

Rubino - Direct

1 Q. Did you see any payments from this account that went to  
2 someone named Lisa Ranger or Lisa Giannelli?

3 A. I saw payments that went to Lisa Ranger.

4 Q. How were those payments made principally?

5 A. They were made via check.

6 Q. I'm now going to show you what's been marked for  
7 identification as Government Exhibit 19001, not to be displayed  
8 to the jury.

9 Sir, do you recognize this document?

10 A. Yes.

11 Q. What is it?

12 A. This is an account summary statement. It's detailing the  
13 payments to Lisa Giannelli over the time frame of 2001 -- I  
14 mean the time frame of February 2009 to November 2009, with  
15 that slight five-day gap in between.

16 Q. Okay.

17 A. For the account Equestology Inc.

18 Q. Did you prepare this table?

19 A. I did.

20 Q. Would it be helpful to you in testifying today?

21 A. Yes.

22 MR. GIANFORTI: The government offers 19001 as a  
23 demonstrative exhibit as well.

24 MR. FASULO: No objection.

25 THE COURT: All right. It will be received as a

M526GIA4

Rubino - Cross

1 demonstrative exhibit.

2 I will instruct you further about demonstrative  
3 exhibits at the end of the case, but that means this is a  
4 summary of information obtained from other documents. Those  
5 documents are in evidence; this is just a summary of that  
6 information, which was prepared by this witness to aid him in  
7 summarizing for you other evidence.

8 (Government's Exhibit 19001 received in evidence).

9 THE COURT: Mr. Gianforti.

10 MR. GIANFORTI: Ms. Jung, if you haven't already, can  
11 you publish that for the jury?

12 BY MR. GIANFORTI:

13 Q. Mr. Rubino, based on your analysis, how much money did  
14 Ms. Giannelli receive from the First National Bank of Wyoming  
15 account in 2009?

16 A. 133,698.

17 Q. Mr. Rubino, in preparing to testify today, did you review  
18 any of Lisa Giannelli's personal bank account records?

19 A. No, I did not.

20 MR. GIANFORTI: No further questions.

21 THE COURT: Mr. Fasulo.

22 CROSS-EXAMINATION

23 BY MR. FASULO:

24 Q. Good afternoon, agent.

25 A. Good afternoon. I'm not an agent. I'm a forensic

M526GIA4

Rubino - Cross

1 accountant.

2 Q. Good afternoon. Thank you.

3 MR. FASULO: I want the government to publish  
4 Government Exhibit 3700 again. And if we could go to page -- I  
5 think it's page 2 -- 3, page 3. Next page. Next page. There  
6 we go.

7 Q. Do you remember being asked some questions about this  
8 document?

9 A. Yes.

10 Q. And you stated that Lisa Ranger was incorporated. Do you  
11 understand what that means or what that is?

12 A. What was the question specifically?

13 Q. You stated that on the bottom there it indicates that  
14 Lisa Ranger -- I believe Ranger, was the incorporator. Do you  
15 understand what that is or what that means?

16 A. Not specifically.

17 Q. Okay. And you also had a chance to review this document  
18 before coming to court today?

19 A. I had.

20 Q. And is it fair to say there's nothing in this document that  
21 indicates the share distribution of this company as it relates  
22 to any of the shareholders; is that correct?

23 A. Correct.

24 Q. And there's nothing in this document that indicates that  
25 Lisa Ranger is a shareholder of Equestology Inc; is that

M526GIA4

Rubino - Cross

1 correct?

2 A. Correct.

3 Q. Now, you also said you did analyses of two banks -- of  
4 certain statements for specific periods of time; is that  
5 correct?

6 A. Correct.

7 MR. FASULO: If we could put the summary sheet up for  
8 Bank of Wyoming?

9 MR. GIANFORTI: Just the Wyoming one?

10 MR. FASULO: Yeah.

11 Q. You prepared this sheet, correct?

12 A. Correct.

13 Q. You prepared this sheet from bank documents that you had  
14 accessible to you, correct?

15 A. Correct.

16 Q. And they were bank documents regarding the account of the  
17 First National Bank account of Equestology Inc; is that  
18 correct?

19 A. Correct.

20 Q. And at the end of the day, these numbers reflect the amount  
21 that was given to Lisa from this account of \$133,698.56,  
22 correct?

23 A. Correct.

24 Q. You did not review her personal taxes, right?

25 A. No.

M526GIA4

Rubino - Cross

1 Q. And you didn't review any deductions that she took  
2 regarding this income?

3 A. I did not.

4 Q. Right. And that was the only year you did this analysis  
5 from the First National Bank of Wyoming?

6 A. Correct.

7 MR. FASULO: Can we show the other summary sheet,  
8 please? Thank you.

9 Q. Again, you had an opportunity to look at bank documents for  
10 the year of 2015, 2016, 2017, 2018, 2019; is that fair to say?

11 A. Correct.

12 Q. And in one of those years there was a gap, right?

13 A. Yes.

14 Q. That's because you couldn't get those bank statements, or  
15 you didn't have them?

16 A. Yeah. Didn't have them.

17 Q. The analysis you did you looked at all of the checks that  
18 were made out of that account that were directly made to  
19 Lisa -- at that time, Lisa Giannelli, correct?

20 A. Correct.

21 Q. And you were able to identify the amount of money that  
22 Lisa Giannelli received from that account, correct?

23 A. Correct.

24 Q. What was the five-year total revenue that was disclosed in  
25 that account; if you recall?



M526GIA4

Rubino - Redirect

1 A. I don't know what the total revenue was. The only thing I  
2 could attest to was the total deposits in that time frame was  
3 4.5 million.

4 Q. I'm sorry?

5 A. Was approximately 4.5 million.

6 Q. Over that whole period of time?

7 A. Correct.

8 Q. Over that whole period of time you concluded that  
9 Lisa Ranger received \$786,964.95?

10 A. Correct.

11 MR. FASULO: Nothing further, Judge. Thank you.

12 THE COURT: Any redirect?

13 MR. GIANFORTI: Yes, just briefly.

14 REDIRECT EXAMINATION

15 BY MR. GIANFORTI:

16 Q. Mr. Rubino, Mr. Fasulo just asked you about your analysis  
17 of the WSFS -- I'm sorry. It's a difficult acronym. The WSFS  
18 account and the total amount of deposits that were received in  
19 that account over that five-year period minus that gap; do you  
20 remember that?

21 A. Yes.

22 Q. And I think you testified both when I asked you and when  
23 Mr. Fasulo asked you that the total amount of deposits were  
24 approximately \$4.5 million over that five-year period?

25 A. Correct.

M526GIA4

Rubino - Cross

1 Q. Did the government ask you to assess the profits of  
2 Equestology?

3 A. No.

4 Q. In other words, did the government ask you to assess  
5 revenue minus costs?

6 A. No.

7 Q. So when you looked at those bank records, you were solely  
8 looking at the amount of deposits that came in, right?

9 A. Correct.

10 MR. GIANFORTI: No further questions.

11 THE COURT: Thank you. Mr. Fasulo, anything?

12 MR. FASULO: Just one question, Judge.

13 Can the government can publish a deposit slip -- let  
14 me see the number. I think it was 3701.

15 THE COURT: Did you say 3701?

16 MR. FASULO: I thought it was, but I'm looking it up.

17 THE COURT: Oh.

18 MR. FASULO: Just to save time, if I may, one moment,  
19 Judge.

20 3704. Thank you.

21 RE CROSS EXAMINATION

22 BY MR. FASULO:

23 Q. Mr. Rubino, as part of your analysis, you did look -- you  
24 just testified on redirect that you looked at the deposits,  
25 correct?

M526GIA4

Rubino - Cross

1 A. Right.

2 Q. And was this one of the deposits that you saw in your  
3 analysis?

4 A. It must have been at some point.

5 Q. Well, did you have a chance to look at the check?

6 A. Yes.

7 Q. And you see on the back of the check, is that indication  
8 that the -- this check was deposited into that account, as far  
9 as you know as an accountant? Let me direct your attention --

10 A. Yes.

11 Q. So when you talked about revenue, this would have been  
12 reflected in the total amount of -- when you talk about  
13 deposits, this would have been reflected in those deposits,  
14 correct?

15 A. Correct.

16 MR. FASULO: Nothing further, Judge.

17 THE COURT: Thank you.

18 MS. MORTAZAVI: Nothing further, your Honor.

19 THE COURT: Thank you very much, sir. You can step  
20 down with the thanks of the Court.

21 THE WITNESS: Thank you.

22 (Witness steps down)

23 THE COURT: The governments next witness?

24 MR. GIANFORTI: Your Honor, the government calls  
25 Conor Flynn.

M526GIA4

Rubino - Cross

1 THE COURT: All right.

2 MR. GIANFORTI: I'll read a couple of stips before we  
3 get to Conor Flynn if that's all right.

4 THE COURT: All right.

5 MR. FASULO: Your Honor, I am not asking the preamble  
6 to be, read but I would like the Court to remind the jury this  
7 is an agreement between the government and the defense.

8 THE COURT: When the government is offering these  
9 stipulations, he is not reading into the record the very first  
10 paragraph which says it's agreed by and between Damian  
11 Williams, who's the United States Attorney for the  
12 Southern District, and the two attorneys here representing the  
13 government and the other side. So this is a binding agreement  
14 between the parties, and it is evidence.

15 Go ahead, Mr. Gianforti.

16 MR. GIANFORTI: Ms. Jung, can you please pull up  
17 Government Exhibit 9014?

18 All right. This is a stipulation where I'll once  
19 again skip the preamble.

20 If called as a witness at trial, a law enforcement  
21 agent with United States Customs and Border Protection, CBP,  
22 would testify that Government Exhibits 18000 through 18001 are  
23 true and correct copies of records maintained by CBP with  
24 respect to Seth Fishman's United States border crossings from  
25 in or about October 1, 2011, through in or about January 9,

1 2020.

2 In our records of regularly conducted activities of  
3 CBP that were made at or near the time by or from information  
4 transmitted by someone with knowledge of the information  
5 contained therein, kept in the course of CBP's regularly  
6 conducted activities, and made as a regular practice of CBP's  
7 activities. It is further stipulated and agreed by and between  
8 the parties that the aforementioned Government Exhibits in the  
9 stipulation, which is Government Exhibit 9014, may be received  
10 in evidence at trial.

11 Your Honor, the government offers Government Exhibit  
12 9014 and the exhibits listed therein.

13 THE COURT: All right. Exhibit 9014 is in evidence,  
14 as are exhibits 18000 and 18001, which are admitted pursuant to  
15 this stipulation, in other words, by agreement of the parties.  
16 Those two exhibits will come into evidence.

17 (Government's Exhibits 9014, 18000, 18001 received in  
18 evidence)

19 THE COURT: Is there another stipulation?

20 MR. GIANFORTI: There's one more, your Honor.

21 Ms. Jung, can you please pull up government exhibit  
22 9016?

23 All right. Again, skipping the preamble.

24 If called as a witness at trial, Howard Taylor,  
25 Taylor, would testify that Government Exhibit 16000 reflects

M526GIA4

Rubino - Cross

1 true and accurate copies of records that Taylor maintained with  
2 respect to Equestology. It is further stipulated and agreed by  
3 and between the parties that the aforementioned Government  
4 Exhibits and this stipulation, which is Government  
5 Exhibit 9016, may be received in evidence at trial.

6 Your Honor, the government offers Government Exhibit  
7 9016 in the exhibits listed therein.

8 THE COURT: Do you want to go back to the first page,  
9 please? It would help if you gave me a copy.

10 MR. GIANFORTI: I apologize. I thought you had a  
11 collection. We can hand you up one.

12 THE COURT: They're over there.

13 Again, this stipulation is in evidence, as is the  
14 exhibit -- there's only one exhibit -- 16000.

15 MR. GIANFORTI: That's right.

16 THE COURT: Is also received into evidence. That's  
17 all right.

18 (Government's Exhibits 9016 and 16000 received in  
19 evidence)

20 THE COURT: All right. Thank you.

21 MR. GIANFORTI: Thank you, your Honor. The government  
22 calls Conor Flynn.

23 THE COURT: Is Mr. Flynn here?

24 MR. GIANFORTI: The agent will bring him in, your  
25 Honor.

M526GIA4

Flynn - Direct

1 THE COURT: He's getting him. Thank you.

2 All right, sir. If you would stand behind the stand  
3 and take your mask off, please?

4 Ms. Dempsey.

5 CONOR FLYNN,

6 called as a witness by the Government,

7 having been duly sworn, testified as follows:

8 DEPUTY CLERK: Thank you. Please state and spell your  
9 name for the record.

10 THE WITNESS: Conor Flynn, C-O-N-O-R, F-L-Y-N-N.

11 DEPUTY CLERK: Thank you. Please be seated.

12 THE COURT: You have a microphone in front of you.  
13 Please adjust it down so it's pointed toward your mouth, and  
14 try to speak into the microphone when you're answering  
15 questions.

16 THE WITNESS: Yes, your Honor.

17 THE COURT: Mr. Gianforti.

18 DIRECT EXAMINATION

19 BY MR. GIANFORTI:

20 Q. Thank you. And just try to keep your voice up as we go.

21 A. Okay.

22 Q. How old are you, sir?

23 A. 32 years old.

24 Q. Where were you born?

25 A. Attleboro, Massachusetts.

M526GIA4

Flynn - Direct

1 Q. How far did you go in school?

2 THE COURT: Let's slow down a little bit. Okay?

3 MR. GIANFORTI: Okay.

4 Q. What do you currently do for work?

5 A. I graduated high school. I didn't answer that question.

6 Q. Oh, I'm sorry.

7 And what do you currently do for work?

8 A. I drive a furniture truck for a furniture company.

9 Q. Where are you living currently?

10 A. I'm living in Durham, Michigan.

11 Q. Prior to delivering furniture, what did you do for work?

12 A. I was a horse trainer and assistant horse trainer for  
13 Richard Banca.

14 Q. Who is Richard Banca?

15 A. He is a trainer that is -- was out of Middletown, New York.

16 Q. Was Mr. Banca based at a particular facility?

17 A. Mount Hope Training Facility.

18 Q. Do you know what county in New York that's in?

19 A. I believe it's Orange.

20 Q. When did you start working with Richard Banca?

21 A. Early 2015.

22 Q. And how did you get that job?

23 A. We shared a mutual owner client, and I trained some horses  
24 on my own. So when I kind of stopped training, went out of  
25 business, per se, I delivered some horses to Mr. Banca, and he



M526GIA4

Flynn - Direct

1 offered me a job.

2 Q. What kind of horses did Mr. Banca train?

3 A. Standardbred racehorses.

4 Q. What is a standardbred racehorse?

5 A. A standardbred is a breed of a horse that races, and it  
6 pulls a sulky or cart, as, per se, the thoroughbred, the jockey  
7 would be on the horse's back.

8 Q. What kind of horses have you worked with primarily in your  
9 career?

10 A. Standardbreds.

11 Q. Mr. Flynn, what is the job of a horse trainer?

12 A. Just the day-to-day care of horses, make sure they're  
13 exercised, fit, in good condition, make sure the help is doing  
14 all the work, classification of horses, dealing with owners,  
15 clients, billing, stuff like that.

16 Q. What's the job of an assistant horse trainer?

17 A. Just to assist the trainer, more with the day-to-day care,  
18 exercising, making sure the help is doing what they're supposed  
19 to do, arranging rides to racetracks, making sure there's  
20 transportation, stuff like that.

21 Q. Are you familiar with the role of a groom?

22 A. Yes.

23 Q. What is the role of a groom?

24 A. That would probably be like the lowest level in the  
25 hierarchy where they would just do basic care; clean stalls,

M526GIA4

Flynn - Direct

1 tack up horses, stuff like that, bathe them.

2 Q. And in terms of the hierarchy in a barn, let's say, how do  
3 those various roles rank?

4 A. Like I said, I would assume the groom would be the lowest,  
5 and he may have some exercise riders or people that jog horses,  
6 I would say, and then an assistant trainer and a trainer, I  
7 would say.

8 Q. Who does the trainer ultimately report to?

9 A. The trainer ultimately reports to the owners or the clients  
10 that own the horses.

11 Q. And is the owner responsible for paying all those people in  
12 the organizational tree, so to speak?

13 A. The owner would pay the trainer, and then the trainer would  
14 pay his employees.

15 Q. So the trainer does the actually hiring; is that fair to  
16 say?

17 A. The trainer would do the actual hiring, yes.

18 Q. Mr. Flynn, when did you start working with racehorses for  
19 the first time?

20 A. I would say around 2006.

21 Q. Where was that?

22 A. In Plainville, Massachusetts.

23 Q. And what did you do?

24 A. I was a groomer or stall cleaner.

25 Q. How did you get involved -- how did you get that job?

M526GIA4

Flynn - Direct

1 A. I had a friend I went to school with that had a job, and I  
2 went with him on weekends and started when I was in high school  
3 just working weekends.

4 Q. How long did you -- how long were you a groom in  
5 Massachusetts?

6 A. I would say through the later years of high school, two  
7 years, and then I moved to New Hampshire after high school in  
8 2008, and after that I went to New York.

9 Q. What did you do in New Hampshire?

10 A. I was a groom. Same thing.

11 Q. How long did you do that for?

12 A. Just one summer there. The summer of 2008.

13 Q. After you were done -- after the summer of 2008, where did  
14 you go?

15 A. I believe I went to New York after that.

16 Q. Whereabouts in New York?

17 A. Saratoga.

18 Q. What's in Saratoga?

19 A. A racetrack, Saratoga Harness Track.

20 Q. Who did you work for there?

21 A. I worked for a few people. Rob Mangiori [ph],  
22 Mark Beckwith, and I also trained a few horses on my own.

23 Q. What was your role when you were in Saratoga?

24 A. I would say I was more like a groom or exercise rider, more  
25 just exercising horses.

M526GIA4

Flynn - Direct

1 Q. And did there come a time when you started racing in  
2 New Jersey?

3 A. Yes.

4 Q. When was that, approximately?

5 A. I would say on and off, you know 2009, 2010. Saratoga was  
6 closed in the winter, so I used to go down to New Jersey.

7 Q. Did your time in New Jersey overlap with your time in  
8 Saratoga?

9 A. Yeah. I would go back and forth.

10 Q. And what did you do in New Jersey, specifically?

11 A. I worked a little bit there, and I also trained -- I  
12 started training more horses down there.

13 Q. And did there come a time when you moved to Ohio?

14 A. Yes. I believe that was late 2013, early 2014.

15 Q. And what was your role in Ohio?

16 A. I was a trainer.

17 Q. While you were living in Ohio, did you also race in  
18 Kentucky?

19 A. Yes.

20 Q. Did you engage in horse training in Kentucky?

21 A. Yes. I would ship my horses from Ohio to -- some horses  
22 down to Kentucky to race.

23 Q. And after -- well, what, if anything, did you do after your  
24 time in Ohio in Kentucky?

25 A. Well, after that, I would have proceeded to work for

M526GIA4

Flynn - Direct

1 Mr. Banca.

2 Q. Okay. Sir, do you still work for Richard Banca?

3 A. No.

4 MR. GIANFORTI: Just one moment, your Honor.

5 Q. Mr. Flynn, is it fair to say that you worked in total --  
6 you've worked with racehorses over a decade; is that fair to  
7 say?

8 A. Yeah, I would say that.

9 Q. Did you have to be licensed to work with racehorses during  
10 that time period?

11 A. Yeah. Every track you would go to, you'd have to be  
12 licensed.

13 Q. Are you familiar with the United States Trotting  
14 Association?

15 A. Yeah. The USTA, like --

16 Q. Go ahead --

17 A. -- the governing body, I would say, over harness racing.

18 Q. You said sometimes it's referred to as the USTA?

19 A. Yes.

20 Q. And it has a national scope, is that what you said?

21 A. Yeah. I would say it would be like the governing body.

22 Q. Governing body for what?

23 A. Harness racing.

24 Q. Is there a separate governing body for thoroughbred racing,  
25 as far as you know?

M526GIA4

Flynn - Direct

1 A. I believe so. I'm not too familiar with the thoroughbred  
2 side.

3 Q. Does the USTA issue licenses?

4 A. Yes.

5 Q. What kinds of licenses?

6 A. Owners, trainers, and drivers would have to be licensed  
7 through the USTA before they could get licensed by the state  
8 race commission.

9 Q. Have you ever held a license with the USTA?

10 A. Yes.

11 Q. What kind of license?

12 A. An owner's license and also a trainer's license.

13 Q. When did you get your trainer's license?

14 A. I would say around 2009.

15 Q. When did you get your owner's license?

16 A. Either late 2008, early 2009.

17 Q. How does one go about getting a license with the USTA?

18 A. Well, you would have to take a written test where there's  
19 questions, and then upon passing the written test, there would  
20 be a practical test where you would go to the racetrack and  
21 there would be somebody -- some representative from USTA would  
22 watch you in a practical exam.

23 Q. And what subjects, if you recall, were covered by the  
24 written examination?

25 A. Equipment, there were some rules, basic horse care, stuff

M526GIA4

Flynn - Direct

1     like that.

2     Q.   And what was the test format; multiple choice, essays?

3     A.   I believe it was multiple choice.

4     Q.   All right.  And you mentioned that the practical test  
5     involved harnessing a horse and racing it a bit?

6     A.   Yeah.  Like exercising it or training it a mile.

7     Q.   Were there any other components to the practical exam you  
8     can recall?

9     A.   Not that I can recall.

10    Q.   Mr. Flynn, if you want to work with racehorses in a  
11    particular state, do you need a license from that state as  
12    well?

13    A.   Yes.  You would have to be licensed in each particular  
14    state also.

15    Q.   All right.  And we were talking about a number of states a  
16    moment ago.  Have you ever held a trainer's license in  
17    Massachusetts?

18    A.   Yes.

19    Q.   How about in -- I think you said you were in New Hampshire.  
20    Did you have in New Hampshire?

21    A.   I believe I just had a groom's license there.

22    Q.   Did you have a trainer's license in New York?

23    A.   Yes.

24    Q.   New Jersey?

25    A.   Yes.

M526GIA4

Flynn - Direct

1 Q. Ohio and Kentucky?

2 A. Yes.

3 Q. Did you have one in Pennsylvania?

4 A. Yes.

5 Q. Any states I missed?

6 A. I believe that's it.

7 Q. Okay. So let's use New York as an example. How did you go  
8 about getting your trainer's license in New York State?

9 A. Well, you just go to the track and fill out an application.  
10 It will be reviewed by the judges there, and then they would  
11 issue you a license.

12 Q. Do you have to have your USTA license first?

13 A. You would have to put your USTA number if you were an  
14 owner, trainer, or driver.

15 Q. Got you. When did you get your trainer's license in  
16 New York State?

17 A. I believe around 2009.

18 Q. Is that when you moved to Saratoga?

19 A. Yes.

20 Q. During the years that you worked with racehorses, did you  
21 come to have an understanding of different states' rules around  
22 the use of medication on racehorses?

23 A. Yeah, I had an understanding about the rules.

24 Q. Did you come to have an understanding of the penalties for  
25 violating those rules?



M526GIA4

Flynn - Direct

1 A. Yeah, I had an understanding.

2 Q. What were some of those penalties?

3 MR. FASULO: Objection.

4 THE COURT: Basis?

5 MR. GIANFORTI: If he knows.

6 THE COURT: What's the basis of the objection?

7 MR. FASULO: The correction, Judge. If he knows.

8 THE COURT: Can you only testify to what you know. If  
9 your answer is you don't know, that's your answer. That's true  
10 with every question.

11 MR. GIANFORTI: I'll ask it again.

12 Q. What were some of the penalties associated with violating  
13 the rules around administering medications to racehorses as  
14 you -- to the best of your knowledge?

15 A. They would vary for the lower level, like, therapeutic-type  
16 drugs, it could be a small fine and a number of days'  
17 suspension. And if you got to a higher class of drug, it could  
18 be up to 10 years and up to 10,000.

19 Q. Sir, are you familiar with the concept of purse money?

20 A. Yes.

21 Q. What is purse money?

22 A. That would be the money that you would win during a race.

23 Q. Could you lose purse money if you violate rules?

24 MR. FASULO: Objection.

25 THE COURT: Basis?

M526GIA4

Flynn - Direct

1 MR. FASULO: Speculation.

2 THE COURT: What's your understanding if you violated  
3 the rules, could you lose purse money?

4 THE WITNESS: Yes. The purse would have to be  
5 returned.

6 Q. And, in general, how did you come to have an understanding  
7 of the rules of each state that you raced in?

8 A. There was -- they were posted, the fines and suspensions,  
9 so you could see it online who got fined and who got  
10 suspensions. You could review them.

11 Q. Is that something you personally reviewed from time to  
12 time?

13 A. I reviewed them from time to time, yes.

14 Q. Were the rules and regulations posted elsewhere physically  
15 anywhere?

16 A. They were posted at the racetracks also.

17 Q. Okay. Mr. Flynn, in the State of New York, are there drugs  
18 that are prohibited outright for racehorses?

19 A. I believe that you're not supposed to administer to a horse  
20 on race day.

21 Q. Okay. How about are there any rules -- to the best of your  
22 knowledge, are there any rules in New York State that prohibit  
23 the administration of a substance completely regardless of  
24 whether it's race day or not?

25 MR. FASULO: Objection. Foundation.

M526GIA4

Flynn - Direct

1 MR. GIANFORTI: If he knows.

2 THE COURT: To the best of your knowledge. Overruled.  
3 You can answer.

4 A. I would say you would never be allowed to administer, like,  
5 Epogen or a blood builder.

6 Q. What's your understanding of what a blood builder is?

7 A. My understanding would be it would build a horse's red  
8 blood count to obviously carry more oxygen so they wouldn't get  
9 as tired fast.

10 Q. Would you consider a blood builder to be a performance  
11 enhancing drug?

12 A. Yes.

13 Q. How come?

14 A. Because obviously it -- it builds -- they wouldn't get as  
15 tired as fast.

16 Q. Mr. Flynn, have you heard of the Food and Drug  
17 Administration, or FDA?

18 A. Yes.

19 Q. What's your general understanding of what the FDA does?

20 A. My understanding would be is they review drugs to make sure  
21 they're safe for -- to be distributed or sold.

22 Q. To the best of your knowledge, under New York rules, are  
23 you allowed to give racehorses non-FDA approved drugs?

24 A. I don't believe so.

25 MR. FASULO: Objection.

M526GIA4

Flynn - Direct

1 THE COURT: Foundation?

2 MR. FASULO: Relevance.

3 THE COURT: Overruled.

4 Q. You can answer the question.

5 A. I don't believe so.

6 Q. You don't believe you can sell non-FDA approved drugs for  
7 racehorses?

8 A. I don't believe so.

9 Q. And I believe --

10 MR. FASULO: I move to strike, Judge. "I don't  
11 believe so."

12 THE COURT: Do you know, sir?

13 THE WITNESS: No.

14 THE COURT: All right. The answer is stricken then.

15 Q. Okay. All right. In New York State, sir -- I believe you  
16 answered this a moment ago. Are you allowed to give racehorses  
17 any drugs on race day, to the best of your understanding?

18 A. No. You're not allowed to administer anything to a horse  
19 on race day.

20 Q. All right. Mr. Flynn, how could someone get caught for  
21 violating New York's rules around administering drugs to  
22 racehorses?

23 MR. FASULO: Objection.

24 THE COURT: Sustained.

25 Q. To the best of your knowledge, how could someone get caught

M526GIA4

Flynn - Direct

1 for violating New York rules around administering drugs to  
2 racehorses?

3 MR. FASULO: Objection.

4 THE COURT: Sustained.

5 Q. Mr. Flynn, are you familiar with state racing authorities?

6 A. Yes.

7 Q. Are you familiar with what they do?

8 A. Yes.

9 Q. To the best of your understanding, what are some of the  
10 things that state racing authorities do?

11 A. License and handle all the testing.

12 Q. What kind of testing?

13 A. They have prerace and postrace testing for horses that  
14 race.

15 Q. And when you say testing, what are they testing for, to the  
16 best of your knowledge?

17 A. I would say drugs that aren't allowed.

18 MR. FASULO: Objection. "I would say," Judge.

19 A. Drugs that aren't allowed.

20 THE COURT: Do you know?

21 THE WITNESS: Yes.

22 THE COURT: Overruled, then.

23 Q. As best you recall, how does testing work in the State of  
24 New York?

25 MR. FASULO: Objection. Time period.

M526GIA4

Flynn - Direct

1 THE COURT: Sustained.

2 Q. During the over -- during the decade-plus that you were a  
3 racehorse trainer, to the best of your understanding and  
4 recollection, how did drug testing work for racehorses in the  
5 State of New York?

6 A. Well, before the race, they would randomly do some prerace  
7 testing, which would test the horse's TCO2 levels, and usually  
8 after the race, the first and second horse that finished would  
9 be taken to a separate area, and they'd collect blood and  
10 urine.

11 Q. You mentioned TCO2 levels a moment ago. What do you mean  
12 by that?

13 A. Essentially, they'd be testing for baking soda.

14 Q. Why would a racing commission test for baking soda?

15 MR. FASULO: Objection.

16 THE COURT: Sustained.

17 Q. Why would one -- sorry.

18 What's your understanding of the uses of baking soda  
19 on a racing horses?

20 A. My understanding would be it would settle lactic acid in  
21 the horse's stomach, and they wouldn't get tired as fast.

22 Q. Do you consider baking soda to be a performance enhancing  
23 drug?

24 MR. FASULO: Objection.

25 THE COURT: Sustained.

M526GIA4

Flynn - Direct

1 Q. You said that your understanding is that baking soda breaks  
2 down lactic acid in a horse; is that correct?

3 A. That's what my understanding would be, yes.

4 Q. What's your understanding of why you would want to do that?  
5 Why would you personally want to do that?

6 A. Because I think it would -- a horse wouldn't get as tired  
7 as fast.

8 MR. FASULO: Objection.

9 THE COURT: Sustained.

10 Q. If you know, in your own knowledge, Mr. Flynn, what's your  
11 understanding of what baking soda does to a racehorse?

12 A. It settles lactic acid in their stomach so they wouldn't  
13 get as tired as fast.

14 Q. Are you familiar with a concept in racing called  
15 out-of-competition testing?

16 A. Yes.

17 Q. What is that?

18 A. Well, randomly, the racing commissions could come to your  
19 barn and test horses that were not racing.

20 Q. How frequently, if you know, or during your time as a  
21 racehorse trainer, the 10-plus years as a racehorse trainer,  
22 how frequently, if you know, would out-of-competition testing  
23 happen in the State of New York?

24 MR. FASULO: Objection.

25 THE COURT: Sustained.

M526GIA4

Flynn - Direct

1           You need to lay a better foundation.

2           MR. GIANFORTI: Okay. All right.

3           Q. During your time as a racehorse trainer, did you ever --  
4           were any of the horses under your care ever the subject of  
5           out-of-competition testing?

6           A. Yes.

7           Q. Approximately how many times?

8           A. Approximately three times. They came to Mr. Banca's barn.

9           Q. Okay. What about during your time in other states? Do you  
10          recall any other out-of-competition testing?

11          A. No. I never had any other done.

12          Q. In the 10-plus years you were a trainer, about three times?

13          A. About three times, yes.

14          Q. All right. Mr. Flynn, to the best of your knowledge, are  
15          the general rules we've been discussing in New York more or  
16          less the same for all the states in which you held licenses?

17          MR. FASULO: Objection.

18          THE COURT: Sustained.

19          Q. All right. So for the states in which you were licensed,  
20          Mr. Flynn, did those states have a drug testing program for  
21          racehorses?

22          A. Yes.

23          MR. GIANFORTI: All right, your Honor. I know it's  
24          4:30. This is actually a decent breaking point for me.

25          THE COURT: We'll break at this point. I'll remind



M526GIA4

Flynn - Direct

1 you that you remain under oath. So this evening, you may not  
2 talk to anybody, including the government lawyers, about the  
3 substance of your testimony.

4 THE WITNESS: Yes, your Honor.

5 THE COURT: If you please remain in your seat. Well,  
6 actually I'm going to excuse you at this point, with the thanks  
7 of the Court.

8 You remain under oath.

9 THE WITNESS: Thank you, your Honor.

10 THE COURT: And after he leaves, I will excuse our  
11 jurors. And if you would please then leave the area quickly  
12 because the jurors are going to be departing as well.

13 THE WITNESS: Yes, your Honor.

14 (Witness steps down)

15 THE COURT: All right. So I thank you all very much  
16 for your attention today. Please leave your notepads either on  
17 your seats or in the jury room when you are on your way out.  
18 I'll see you all tomorrow morning at 9:45. And I remind you,  
19 please do not research anything about the case, please don't  
20 talk to anybody about the case, about the witnesses, about  
21 what's gone on in the courtroom today, or about the subject  
22 matters of this trial. All right?

23 So I wish you all a good evening, and I'll see you  
24 tomorrow morning. Thank you.

25 (Continued on next page)

M52BGIA5

(Jury not present)

THE COURT: All right.

Mr. Gianforti and Ms. Mortazavi, is this your last witness?

MR. GIANFORTI: Overall?

THE COURT: Yes.

MR. GIANFORTI: No. After Mr. Flynn, I think it will likely be some combination of Adrienne Hall, Rita Noblett and Cynthia Cole.

THE COURT: Who are the last two witnesses?

MR. GIANFORTI: Rita Noblett is a representative of the Pennsylvania State Racing Commission, and Cynthia Cole is one of our experts, and I suspect that will take us all the way through tomorrow at a minimum.

THE COURT: Okay. All right.

Is there anything that we need to talk about from the government's point of view

MR. GIANFORTI: Not from the government, your Honor. Thank you.

THE COURT: Mr. Fasulo?

MR. FASULO: Nothing from the defense.

THE COURT: Thank you. Then I'll see everybody shortly before 9:45 tomorrow then. I'll see you a little bit before then. Thank you.

(Adjourned to May 3rd, 2022, at 9:45 a.m.)

INDEX OF EXAMINATION

Examination of: Page

JEAN BOWMAN

Direct By Ms. Mortazavi . . . . . 419

Cross By Mr. Fasulo . . . . . 495

Redirect By Ms. Mortazavi . . . . . 562

Recross By Mr. Fasulo . . . . . 584

Redirect By Ms. Mortazavi . . . . . 587

JOHN RUBINO

Direct By Mr. Gianforti . . . . . 592

Cross By Mr. Fasulo . . . . . 605

Redirect By Mr. Gianforti . . . . . 609

Recross By Mr. Fasulo . . . . . 610

CONOR FLYNN

Direct By Mr. Gianforti . . . . . 615

GOVERNMENT EXHIBITS

Exhibit No. Received

9002 . . . . . 456

9001, 3600-3607 . . . . . 590

9004, 8000-8536 . . . . . 591

9003, 3700-3707 . . . . . 594

19000 . . . . . 602

19001 . . . . . 605

9014, 18000, 18001 . . . . . 613

9016 and 16000 . . . . . 614